

**Final Track 2
Munitions Response
Remedial Investigation/Feasibility Study
Parker Flats Munitions Response Area,
Former Fort Ord, California**

Volume 2 of 3

Risk Assessment

Prepared for

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DRAFT FINAL

Munitions and Explosives of Concern (MEC)
Risk Assessment
Parker Flats MRA
Former Fort Ord, California

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Attachment A	– Risk Assessment Theory
Attachment B	– MEC Items Found by Reuse Area
Attachment C	– Narrative Discussion of Risk Scores

Acronyms and Abbreviations

Ar	Arnold-Santa Ynez Complex
BbC	Baywood Sand
BCT	Base Closure Team
bgs	Below Ground Surface
CAIS	Chemical Agent Identification Sets
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act, commonly referred to as "Superfund."
cm ³	Cubic Centimeter
CSUMB	California State University Monterey Bay
DEM	Digital Elevation Model
DQO	Data Quality Objectives
DTSC	California Environmental Protection Agency – Department of Toxic Substances Control
EE/CA	Engineering Evaluation/Cost Analysis
EOD	Explosive Ordnance Disposal
FEI	Fédération Equestre Internationale
GIS	Geographic Information System
HE	High Explosives
in ²	Square Inches
kg	Kilogram
MD	Munitions Debris
MEC	Munitions and Explosives of Concern
MPC	Monterey Peninsula College
MPC EVOC	Monterey Peninsula College Emergency Vehicle Operations Center
MR	Munitions Response
MRA	Munitions Response Area
MRS	Munitions Response Site
MST	Monterey-Salinas Transit Authority
OaD	Oceano
ODDS	Ordnance Detection and Discrimination Study
OE	Ordnance and Explosives
Pd	Percent Detection
QA/QC	Quality Assurance/Quality Control
RI/FS	Remedial Investigation and Feasibility Study
RV	Recreational Vehicle
SPCA	Society for the Prevention of Cruelty to Animals

SSURGO	Soil Survey Geographic
USACE	United State Army Corps of Engineers
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection Agency
USGS	United States Geologic Services
USLE	Universal Soil Loss Equation

1.0 Introduction

The U.S. Army is currently conducting a Remedial Investigation/Feasibility Study (RI/FS) for the former Fort Ord (Fort Ord) areas impacted with munitions and explosives of concern (MEC), with the intent of transferring the property to public and private land users.

The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA or Superfund) established the RI/FS process to identify the nature and extent of risks at a site and to determine the appropriate remedial methods. The RI/FS is an analytical process designed to support risk management decision-making for Superfund sites; risk assessment plays an essential role. According to CERCLA, the results of the risk assessment should help establish acceptable remediation levels for use in developing remedial alternatives during the FS. The MEC risk assessment does not establish acceptable remediation levels, but is used to develop and evaluate remedial alternatives during the FS. As part of the Fort Ord RI/FS process, the Army is required to conduct a MEC risk assessment.

A risk assessment is used, in this case, to describe the qualitative and quantitative factors leading to an encounter between a receptor and a MEC item. Several methods exist for performing risk assessments on munitions response sites (MRS); however, no MEC risk assessment methodology has been widely accepted, evaluated, and fully implemented for a variety of MRS. Thus, a protocol was developed to determine the current and future MEC risk at Fort Ord.

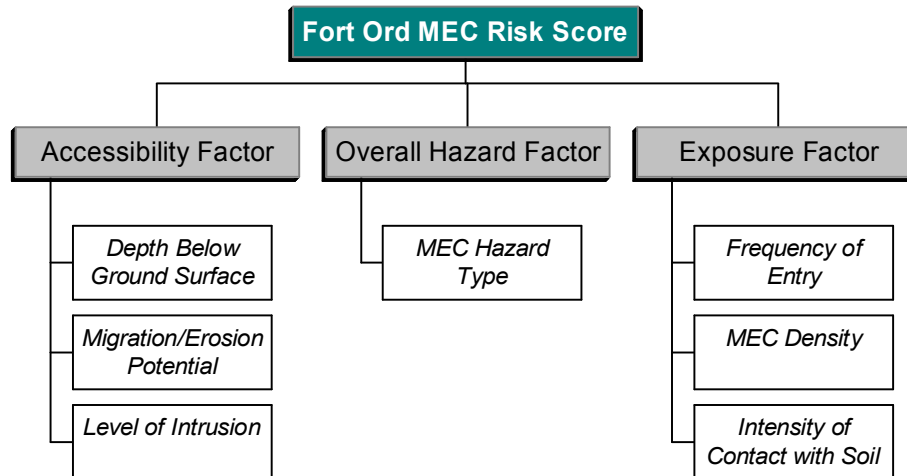
1.1. Fort Ord MEC Risk Assessment Protocol

The *Fort Ord Ordnance and Explosives (OE) Risk Assessment Protocol* (hereafter referred to as "Protocol") (Malcolm Pirnie, 2002) was prepared through a combined effort of the Army, the California Environmental Protection Agency's Department of Toxic Substances Control (DTSC), and the United States Environmental Protection Agency (USEPA). The purpose of the Protocol is to allow for comparative review of MEC risks at MEC-impacted sites at Fort Ord. The Protocol does not calculate the probability of adverse consequences, but instead assumes that encounters with MEC items will result in adverse consequences and, therefore, describes and estimates the MEC risk recognizing that basic assumption. This Protocol is not designed to assess absolute risk, but is rather an approach for understanding baseline risks and comparing the relative risk between remedial alternatives on a MEC-impacted site at Fort Ord. The Overall MEC Risk score produced by this Protocol should not be compared to risks from other MEC-impacted facilities, because the Protocol was developed for Fort Ord using site-specific conditions.

The Protocol is a qualitative risk assessment approach based on seven input factors; these input factors are both qualitative and quantitative. The

definition and correlation between the seven factors will be further discussed in Sections 2.0 and 3.0 and is illustrated in Figure 1 below:

Figure 1. Fort Ord MEC Risk Assessment

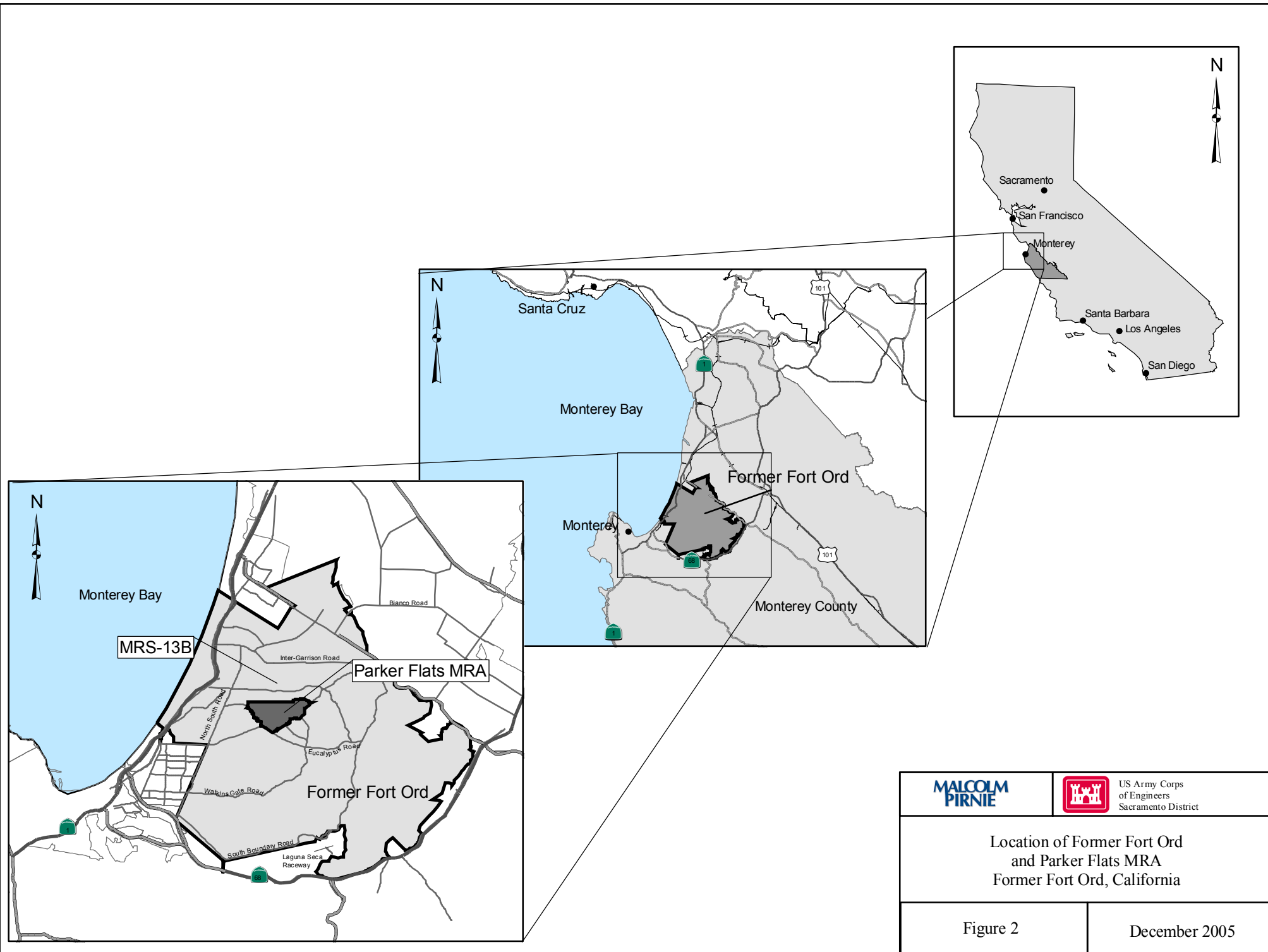


The output of the Fort Ord MEC Risk Assessment is an Overall MEC Risk Score designated by the letters A through E, with A represents the lowest risk and E represents the highest risk. These scores are supported by a narrative describing the assumptions used to develop the input factors. A summary of the protocol, including input scoring tables, is provided in Attachment A for the reader's ease of reference.

1.2. Purpose of This Risk Assessment

This risk assessment focuses on the site known as the Parker Flats Munitions Response Area (MRA). These sites location are shown on Figure 2. This risk assessment is prepared as Volume 2 of the Track 2 Military Munitions Response Program Remedial Investigation/ Feasibility Study Former Fort Ord, California, herein referred to as the RI/FS Report. The baseline risk scenario evaluates the conditions before removal actions were conducted and the after action scenario evaluates the current conditions after removal actions were conducted. The risks for the feasibility alternatives are assessed in the FS portion of the RI/FS report.

As an overview, the Parker Flats MRA is approximately 755 acres in size. It includes 13 former munitions response (MR) sites which were investigated beginning in 1994 after Fort Ord was closed (MRS-3, MRS-4B, MRS-27A, MRS-27B, MRS-27G, MRS-37, MRS-40 MRS-50, MRS-52, MRS-53, MRS-54EDC, MRS-55, and MRS-13B). Section 3 of the RI summarizes the history of these MR sites and the previous sampling activities conducted at each site. This risk assessment is based on both the field conditions and on the intended future land



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Location of Former Fort Ord
and Parker Flats MRA
Former Fort Ord, California

Figure 2

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use for Parker Flats MRA. The intended reuses for Parker Flats MRA are listed below, and the areas are shown in Figures 3 and 4.

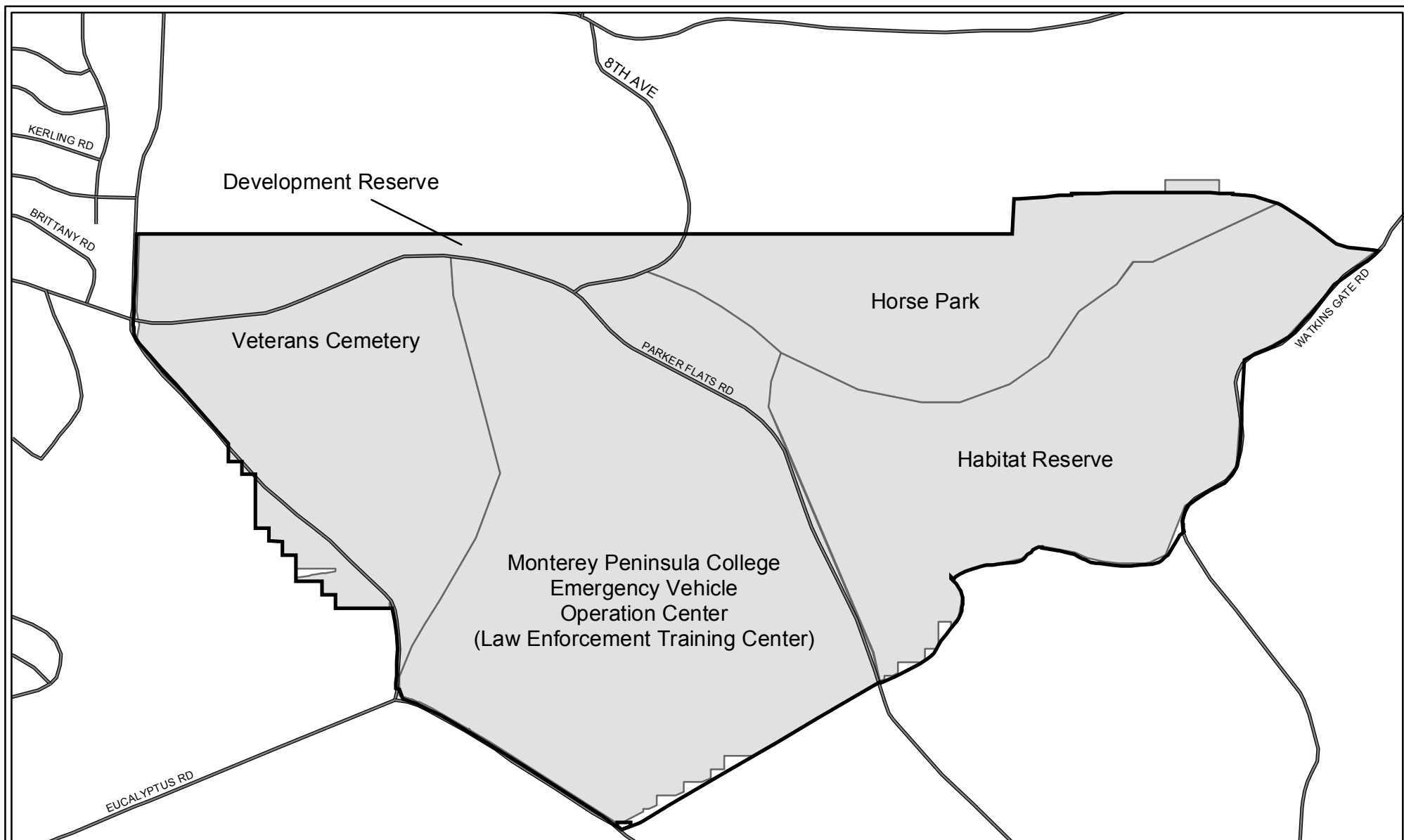
- Monterey Peninsula College (MPC) – A college for training of law enforcement personnel
- Parker Flats MRA Horse Park – A stable and horse riding facility including an recreational vehicle (RV) camping area
- MRS-13B Horse Park – A stable and horse riding facility including an recreational vehicle (RV) camping area
- Parker Flats MRA Habitat Reserve – An oak woodland and maritime chaparral habitat reserve.
- MRS-13B Habitat Reserve – An oak woodland and maritime chaparral habitat reserve.
- Veterans Cemetery
- Parker Flats MRA Development Reserve – An area reserved for development by Monterey County and the City of Seaside, which could include residential development.
- MRS-13B Development Reserve – An area reserved for development by Monterey County, which could include residential development.
- California State University Monterey Bay Expansion Area – An extension to the university which could include open space or development.
- Monterey County Public Facilities – A developed area for Monterey County activities.
- Army Maintenance Center – An area retained by the U.S. Army for various uses.
- Monterey Salinas Transit (MST) Park and Ride – A parking lot for commuter services.
- Monterey Salinas Transit (MST) Maintenance Center / Surplus – A maintenance facility for commuter vehicles.

The remainder of this risk assessment is organized as follows:

- Data and Data Usability
- Future Land Use Scenarios and Receptors
- Risk Input Scores and Results
- Uncertainty
- Conclusions

Excerpts from the risk protocol are provided in Attachment A to provide the reader the approved risk assessment approach on which this risk assessment was developed. Summary tables are included in Attachment B (MEC Items Found by Reuse Area) and Attachment C (Narrative Discussion of Risk Scores).

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Legend

- Road
- Reuse Area
- ▬ Parker Flats Study Area



1,000 500 0 1,000
Feet

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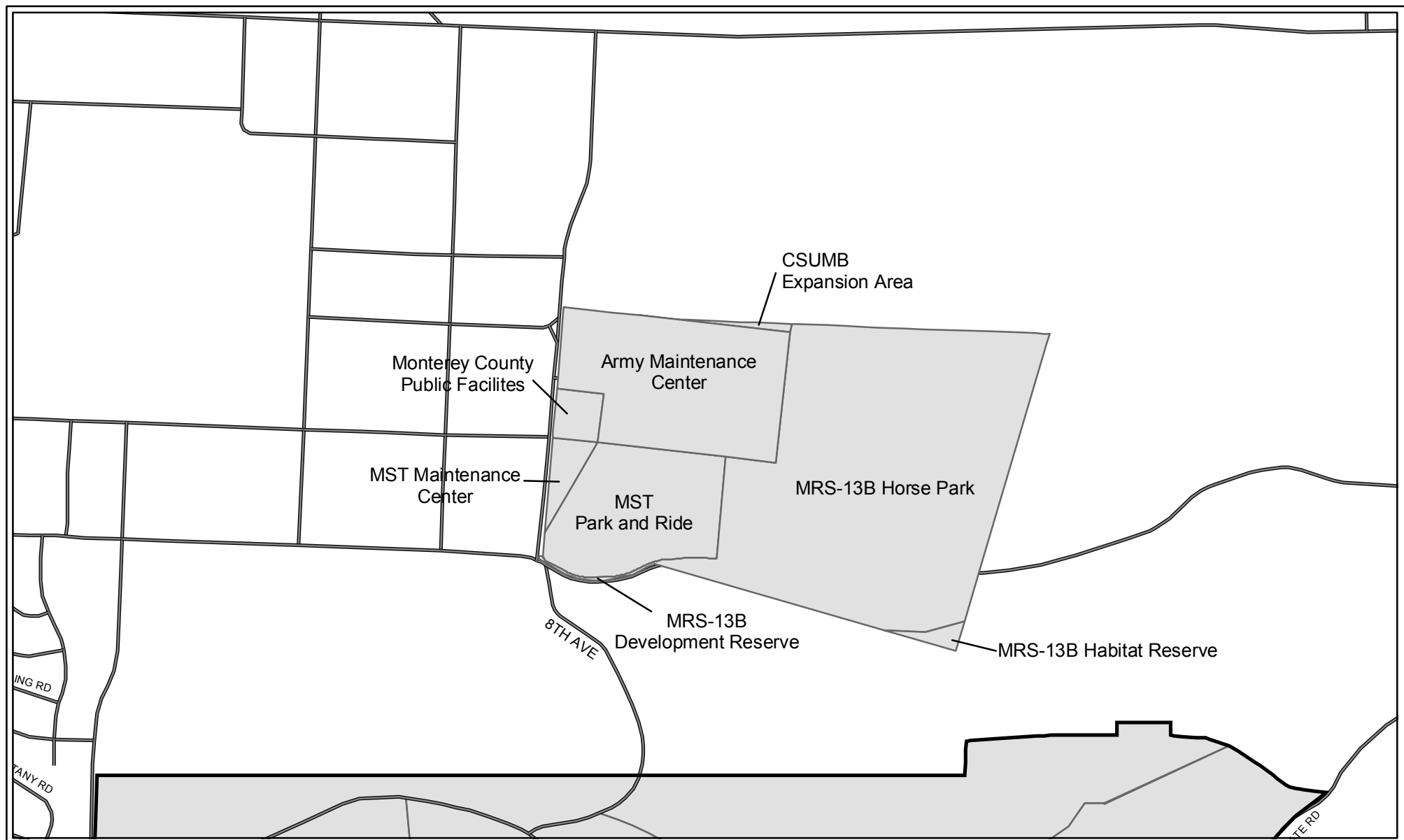
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Planned Reuse Areas
Parker Flats MRA
Former Fort Ord, California

Figure 3

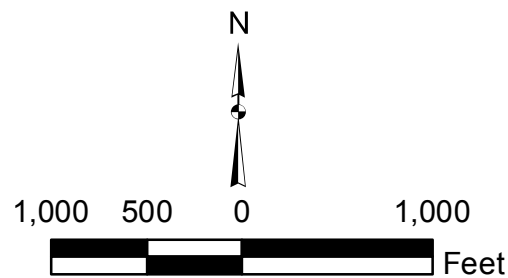
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Legend

- Road
- Reuse Area
- ▭ Parker Flats Study Area



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Planned Reuse Areas
Parker Flats MRA
Former Fort Ord, California

Figure 4

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2.0 Data and Data Usability

The data used to support the risk assessment at the Parker Flats MRA can generally be categorized as site-condition data or future land use data. This section focuses on the site-condition data and Section 3.0 discusses future land use data. To understand the distinction, Table 2-1 identifies the risk protocol input factors and category of data that supports each.

Table 2-1. Category of Data Supporting Each Input Factor

Overarching Factor	Input Factor	Category	
		Site Condition	Future Land Use
Accessibility	Depth Below Ground Surface	•	
	Migration/ Erosion Potential	•	
	Level of Intrusion		•
Overall Hazard	MEC Hazard Type	•	
Exposure	Frequency of Entry		•
	MEC Density	•	
	Intensity of Contact with Soil		•

In addition to the information presented in the RI/FS report, sources of information used to support the risk assessment included:

- The Fort Ord database of field survey data, including the MEC items identified and removed during the survey, and the survey coordinates of each MEC item.
- Geographical Information System (GIS) data from the Fort Ord GIS repository, containing general information on the site and base maps.
- The Soil Survey Geographic (SSURGO) data base developed by U.S. Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS), containing information on soil structure and type.
- United States Geologic Service (USGS) Digital Elevation Model, which provided elevation and slope information used to determine the Migration/Erosion Potential input scores.

The remainder of this section describes the usability of the data and the approach for deriving the information needed to select input scores for the site-condition-related input factors.

2.1. Data Usability

Usable data is defined as data with sufficient quality for use in the project decision-making process. The evaluation of the usability of data collected during

the RI is presented in Appendix A of the RI/FS Report, "Evaluation of Previous Work." An evaluation of the equipment performance is presented in RI/FS Report Section 3.5.2.2, Equipment Review (hereinafter referred to as "the RI equipment evaluation"). The RI equipment evaluation and the evaluation of previous work concluded that the survey and removal data are usable to base decisions on considering the constraints of detection. Those constraints are that only a ferrous-detecting instrument (e.g., Schonstedt GA-52/Cx) was used in the field surveys, and that detection efficiency decreases with depth. Further discussion is presented later in this section to elaborate on the type and scope of uncertainties related to the data used and the subsequent risk scores.

2.2. Data Used

2.2.1. MRA Investigations

Field data was collected during the site surveys and removals that were conducted at Fort Ord beginning in 1994. Surface and geophysical surveys were conducted across a portion of the MEC sites of concern and all MEC items found were removed. As discussed in Volume 1, according to the November 30, 2001 *Grid Sampling & OE Removal Inland Range Contract Closure After Action Report – Former Fort Ord* (USA, 2001) prepared by USA Environmental (USA) to document activities conducted between June 1996 and 2000, USA actively pursued the investigation of all anomalies encountered during 4 foot removal operations. If an anomaly was detected below 4 feet, permission from the USACE OE safety specialist was obtained prior to continuing the investigation. The report also states "This statement is made to ensure personnel reading this document do not believe any anomalies detected by the Schonstedt 52Cx magnetometer were left uninvestigated in an OE site that a 4 foot removal was performed".

Based on this statement, no anomalies detected above or below 4 feet were left in place within the Parker Flats MRA in areas where work was completed after June 1996. All removal activities within the Parker Flats MRA were conducted after June 1996 with the exception of a portion of MRS-13B. It should be noted, however that all anomalies detected within MRS-13B were within the top 4 feet (USA, 2001). Based on this information, no anomalies were left uninvestigated by USA Environmental within the Parker Flats MRA.

Throughout the surveys and removals Schonstedt instruments were used to detect MEC and munitions debris (MD). Over the course of these studies, over 14,000 MEC and MD items were discovered and removed including more than 2,800 MEC items.

The field data identifying the MEC items found on the Parker Flats MRA is summarized in Attachment B, Tables B-1 through B-11. This data served as the basis for munition type, density, and depth inputs for the Parker Flats MRA risk assessment. All MEC items found during the survey and removal activities were

included in this risk assessment, with the exception of the partial CAIS kits and two additional incidental items found in MRS-13B. The CAIS kits are not included in this assessment because the purpose of the Fort Ord MEC Risk Assessment Protocol is to analyze MEC risks. Chemical materials were specifically not included in the Protocol. The two incidental items found in MRS-13B that were not include in this analysis were one 20 mm HE incendiary projectile M53A3 and one 40 mm HE projectile M384. As discussed in the RI, Section 3.4.3, these two items do not show a pattern of use (no other MD found from these types of items) in MRS-13B and; therefore, are excluded from consideration in the risk assessment.

Depth information for some items found in MRS-13B were determined based on the depth information for similar items in MRS-13B and from depth information for similar items at other MR sites with the same type of munition use and the same type of terrain. Table 2-2 gives the median and the distribution of depth for each munition type used to apply an assumed depth range to the items in MRS-13B without recorded depths. These distributions were determined by counting the number of items of each munition type found in one foot depth intervals (0-12 inches, 13-24 inches, etc.) and calculating a percentage of items found in each of those intervals. A depth interval was then applied each of the items in MRS-13B without recorded depths by applying the percentage found for each interval to the number of items without recorded depths. If only one or two items were found in MRS-13B without recorded depth, the interval of the median from Table 2-2 was applied. Depths of items found in burial pits were assumed based on the distribution of other burial pits in MRS-13B. That is, all of the burial pits were counted from MRS-13B and a percentage was calculated for each depth interval. These percentages were then applied to the burial pits found without recorded depth information.

In addition to the data from the field surveys and removals, data on the equipment performance were used to assess both the potential depth and density of MEC potentially remaining onsite. The equipment used to detect MEC is evaluated in the RI. The following sections summarize the RI equipment evaluation as it applies to both MEC depth and MEC density.

Table 2-2. Depth Distribution Used to Determine Depth for MRS-13B Items With No Recorded Depth

MM Items	Surface	0-12 inches	13-24 inches	25-36 inches	37-48 inches	49-60 inches	>60 inches	Median (inches)
Flare, surface, trip, M49 series*	10%	50%	40%	0%	0%	0%	0%	6
Fuze, grenade, hand, M204 series*	11%	89%	0%	0%	0%	0%	0%	6
Fuze, grenade, hand, practice, M205 series*	0%	89%	11%	0%	0%	0%	0%	2
Fuze, grenade, hand, practice, M228*	50%	50%	0%	0%	0%	0%	0%	3
Grenade, hand, practice, M30*	0%	62%	38%	0%	0%	0%	0%	8
Grenade, hand, practice, MK II*	0%	75%	25%	0%	0%	0%	0%	8
Grenade, hand, smoke, M18 series*	0%	50%	50%	0%	0%	0%	0%	9
Grenade, rifle, smoke, M22 series*	0%	100%	0%	0%	0%	0%	0%	4
Signal, illumination, ground, M126 series*	0%	69%	31%	0%	0%	0%	0%	6
Signal, Illumination, Ground, Parachute, White Star M127*	0%	100%	0%	0%	0%	0%	0%	3
Cartridge, ignition, M2 series*	0%	71%	29%	0%	0%	0%	0%	6
Cap, blasting, electric, M6**	0%	65%	18.5%	18.5%	0%	0%	0%	6
Cartridge, ignition, M2 series**	4%	69%	4%	4%	0%	19%	0%	6
Firing device, pull, M1**	0%	100%	0%	0%	0%	0%	0%	2
Firing device, release, M5**	0%	100%	0%	0%	0%	0%	0%	1.5
Fuze, grenade, hand, practice, M228**	1%	87%	10%	1%	1%	0%	0%	2
Fuze, mine, antitank, practice, M604**	0%	100%	0%	0%	0%	0%	0%	4
Grenade, hand, Illumination, MK I**	2%	90%	4%	2%	2%	0%	0%	4
Grenade, hand, practice, M69**	0%	86%	7%	0%	7%	0%	0%	5.5
Grenade, hand, smoke, HC, AN-M8**	0%	75%	15%	10%	0%	0%	0%	5
Pot, 2.5lb and 10lb, smoke, HC, screening, M1**	0%	37.5%	37.5%	12.5%	12.5%	0%	0%	14
Pyrotechnic mixture, illumination**	14%	36%	21.5%	7%	21.5%	0%	0%	4
Signal, illumination, ground, M125 series**	6%	92%	2%	0%	0%	0%	0%	2
Signal, smoke, ground, parachute, M128A1 series**	0%	33%	0%	0%	0%	67%	0%	25
Simulator, explosive boobytrap, flash, M117**	0%	33%	67%	0%	0%	0%	0%	9.5

* MD and MEC data from MRS-13B used to determine depth intervals.

** MD and MEC data from MRS 13C, 37, 50, 50 EXP, 54, and 55 used to determine depth intervals.

2.2.2. Detection Efficiency

For the purposes of the risk assessment, the detection efficiency demonstrated with the Schonstedt GA-52/Cx serves as the basis for estimating the potential depth below ground surface (bgs) and density of MEC potentially remaining onsite because this is the instrument that was used during the Parker Flats MRA survey and removal. The detection efficiency for the Schonstedt surveys at Fort Ord was evaluated in an Ordnance Detection and Discrimination Study (ODDS) (Parsons, 2001). In the ODDS Seeded Test, inert ordnance items were seeded in a test area, and the contractor conducted a survey of the area, flagging anomalies detected by the Schonstedt. A flag placed within a specified radius of the item (1.6 foot and 3.2 foot radii) was considered a positive find. The results of the ODDS Seeded Test are further described in the RI equipment evaluation in the RI/FS Report Section 3.5.2.2, and detection efficiencies by depth interval and by type of item are presented in that section. A discussion of the ODDS Seeded Test and a comparison to the procedures used in the field surveys is presented later in this document in Section 5.1.2.

Because the risk assessment is based on the potential hazard remaining at the site, the percent detection (Pd) is used to back-calculate an estimate of MEC potentially remaining at the site. This calculated density estimate is a theoretical number used to determine the score of the MEC Density input factor in the Protocol. This theoretical number is not and should not be interpreted as an actual number of potentially remaining MEC items; it is only used to show a change in the potential density of MEC items before and after a removal action. Because there is no established way to determine the actual number of items that may be at a site (that is, there is no way to know the source term), it is impossible to determine if any items remain at the site, or provide an accurate count of the items remaining.

As presented in RI Section 3.5.2.2, detection efficiencies were calculated for MEC items by combining the information gathered in seeded studies in the ODDS and at Del Rey Oaks and found at the Parker Flats MRA. Detection efficiencies were developed by depth interval to account for differences in detection capability at various depths. For the purposes of the risk assessment, Pds were used for each MEC type and depth interval with seed results. MEC types with no items seeded in a specific depth interval were applied an overall Pd for that depth interval. For MEC types not included in the ODD or Del Rey Oaks studies, the overall Pd was used. A Pd was developed for the 0- to 6-inch, 7- to 12-inch, and greater than 12-inch depth intervals. Because the actual Pd for the removal action at Parker Flats is unknown and the Pd values used to determine density are based on a small number of seeded items, the efficiency used to calculate density could be higher or lower than the actual field efficiency and is considered a best estimate based on available data.

Table 2-3 presents the table from RI Section 3.5.2.2 used as a basis for determining Pd for the risk assessment. The results of consolidating the data

from all the seeds (considered in the RI equipment evaluation) are summarized in Table 2-4.

Table 2-3. Percent Detection for Depth Intervals from Section 3.5.2.2 of RI

MEC Type	Max Pen. Depth ⁴ (in)	Pd for Depth Interval bgs ¹					
		0-6 in	7-12 in	13-24 in	25-36 in	37-48 in	>48 in
Rocket, 2.36-inch	4.8	100% (1)	100% (2)	60% (5)	0% (2)	NE	NE
Rocket, 35mm Subcaliber	6	100% (5)	100% (5)	75% (4)	0% (1)	NE	NE
Projectile, 37mm	46.8	100% (3)	50% (2)	17% (6)	0% (2)	NE	NE
Projectile, 60mm Mortar ³	13.2	100%	50%	0% (3)	0% (1)	NE	NE
Projectile, 75mm	58.8	100% ²	100% (3)	100% (1)	0% (3)	0% (1)	NE
Hand Grenade	NP	100% (4)	50% (8)	NE	NE	NE	NE
Rifle Grenade	1.2	100% ²	100% (2)	33% (3)	0% (1)	NE	NE
Signal Illumination Flare	NP	88% (8)	60% (10)	50% (2)	NE	NE	NE
Projectile, 3-inch Stokes	Unknown	100% (1)	100% (1)	100% (3)	100% (3)	0% (4)	0% (5)

NE = Not Evaluated

NP = Non-Penetrating – Items expected on the surface only.

¹The number of items seeded in the depth interval is included in parentheses.

²100% Pd is assumed in depth intervals with no seed items when the next deeper depth interval has a 100% Pd.

³The values for the 60mm Mortar above 12 inches are based on the results of Hand Grenade seeds at the ODDS because the shallowest seeded 60mm Mortar was 18 inches bgs. The 60mm Mortar is approximately the same weight and diameter as the MkII seeded Hand Grenades and both are made from ferrous material.

⁴Maximum penetration depths are from the penetration study conducted as part of the Phase II EECA.

Table 2-4. Percent Detection for Depth Interval (Number of Seeded Items)

MEC Type	Max Pen. Depth ⁵ (in)	Pd for Depth Interval bgs ¹		
		0-6 in.	7-12 in.	>12 in.
Rocket, 2.36-inch	4.8	100% (1)	100% (2)	43% (7)
Rocket, 35mm Subcaliber	6	100% (5)	100% (5)	60% (5)
Projectile, 37mm	46.8	100% (3)	50% (2)	13% (8)
Projectile, 60mm Mortar ³	13.2	100% (0)	50% (0)	0% (4)
Projectile, 75mm	58.8	100% (0) ²	100% (3)	20% (5)
Hand Grenade	NP	100% (4)	50% (8)	32% (0) ⁴
Rifle Grenade	1.2	100% (0) ²	100% (2)	25% (4)
Signal Illumination Flare	NP	88% (8)	60% (10)	50% (2)
Projectile, 3-inch Stokes Mortar	Unknown	100% (1)	100% (1)	40% (15)
All Items ⁴	Not Applicable	95% (22)	73% (33)	32% (50)

NP = Non-penetrating - Items expected on the surface only.

¹ Number of items seeded is shown in parentheses.

² Used Pd in the next deeper interval in lieu of data for this depth interval.

³ Assumed that 60-mm mortar projectiles had approximately same Pd as hand grenades, based on similar size and ferrous content. See RI Equipment Evaluation.

⁴ Used the aggregate value for all items evaluated in lieu of seed results for this item in this depth interval.

⁵ Maximum penetration depths are from the penetration study conducted as part of the Phase II Engineering Evaluation/Cost Analysis (EECA).

Following is a discussion of the approach for selecting the MEC Hazard Type, MEC Density, MEC Depth, and Erosion Factors.

2.3. MEC Hazard Type

The MEC Hazard Type was determined by a team of military munitions and MEC qualified specialists, using the definition of the four hazard types:

<u>Score</u>	<u>Description</u>
0	Inert, will cause no injury
1	Will cause an injury, or in extreme cases could cause major injury or death to an individual if functioned by an individual's activities
2	Will cause major injury or in extreme cases could cause death to an individual if functioned by an individual's activities
3	Will kill an individual if detonated by an individual's activities.

The MEC hazard type is not variable and provides reliable input for the Parker Flats MRA risk assessment.

2.4. MEC Density Input Factor

The MEC density input score represents the potential density (items per acre) of MEC potentially remaining on the site in a depth interval that is likely to be accessed by a receptor. The MEC Density scores in the Protocol are high (>1.0 items per acre), medium (between 1.0 and 0.1 MEC items per acre), and low (<0.1 MEC items per acre). Potential MEC density is estimated for both baseline and after-action conditions because it is an input factor used for the purposes of estimating and developing an exposure input score. Because the potential MEC density is estimated by depth interval (surface, 0 to 1 foot, 0 to 2 foot, etc.), the missing depth information in MRS-13B affects the resulting MEC Density scores. If the assumed depth is changed, the potential MEC density would likely change. Depending on the number of items found without depth information, changing the assumed depth could change the resulting MEC Density scores. The following discussion focuses first on the after-action potential MEC density estimate followed by the approach for determining the baseline MEC density estimate.

2.4.1. Selection of Approach for Estimating Potential MEC Density

One hundred percent of the grids within the Parker Flats MRA were surveyed and 100% of the items detected with the Schonstedt were removed to the depth of detection. The removal action was designed to address MEC at a depth of four feet below the ground surface; however, per the RI, approval was given to investigate anomalies at depths greater than four feet. During the

survey, all of the items that were found were removed, which corresponds to a score of “1” for the MEC Density input factor, if all data quality objectives (DQOs) are met or if the Base Closure Team (BCT) agrees that it is appropriate. However, the work was performed before it was standard practice to establish DQOs for MEC surveys/removals. Because there were no DQOs in place at the time of the fieldwork, the quality of the data was evaluated using the “Evaluation of Previous Work Checklist” (Appendix A to the RI/FS Report). The Evaluation of Previous Work Checklist, Results of Removal Evaluation question “A” concluded “that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment.” Given the limitations on the detection efficiency, it is presumed that there is a potential for MEC items to remain onsite. The number of items remaining onsite is unknown. However, a theoretical estimate can be deduced based on the performance profile of the detection instrument, and the general distribution of items on the site.¹

The following formula is used to estimate the potential residual density of MEC items by depth interval for use in estimating changes in potential exposure for a receptor. For the risk assessment purposes,

$$\text{Potential Residual Density [number/acre]} = \frac{\left(\frac{1}{Pd} - 1 \right) \times (\text{Number of Items Found} - \text{Number of Items Found in Pits})}{\text{Acres surveyed}}$$

Where:

- Potential Residual Density = the potential number of MEC items remaining at the site in number per acre.
- Pd = the detection efficiency of the survey equipment based on the equipment evaluation. Percent detection efficiencies are applied separately for each type of item with a Pd in each of depth interval of interest. The total count of items is then summed by MEC type to provide the density by MEC type.
- Number of items found = the number of MEC items found in the survey area
- Number of items in pits = the number of MEC items found in the survey area and recorded as being in a pit.²

¹ Patterns of MEC and MD can be used to predict the pattern of remaining MEC. However, the distribution of MEC and MD at Parker Flats MRA does not exhibit the patterned characteristics of a target range with identifiable and consistently-used targets. The distribution of MEC and MD appears scattered across the site due to multiple uses over many years. This lack of a distinct pattern of distribution of MEC renders methods that consider a geospatial orientation difficult to apply and increases the uncertainty in calculation of potential residual density.

² The pit-related items are removed from the calculation of potentially undetected items to avoid skewing the results. The data used to calculate Pd is not applicable to burial pits in the estimation of potential residual density at Parker Flats MRA because the ability to detect multiple items in a single location is

For example, if 90 items were found in a 100 acre area using an instrument with 90% detection efficiency, the potential residual density would be 10 items per 100 acres or 0.1 items per acre. This assumes that none of the 90 items were found in a pit.

Calculation of the baseline MEC density is similar. The baseline MEC density (i.e., density before the surveys were conducted) includes all of the items detected and removed during the survey plus an estimate of the items that may not have been detected and potentially remain after the survey.

$$\text{Assumed Baseline Density (number/acre)} = \frac{(\text{Number of Items Found})}{\text{Acres Surveyed}} + (\text{Potential Residual Density [items/acre]})$$

In this scenario, using the example above, the potential number of MEC items estimated to be present in the baseline scenario would be 100. The MEC Density Scores are provided in Section 4.

2.5. MEC Depth Input Factor

The input scoring for MEC Depth is provided in Attachment A. MEC Depth scores are in one-foot depth intervals, with “1” being the best removal and “8” representing MEC on the ground surface.

The following facts were considered when selecting the MEC Depth Input Factor for the Parker Flats MRA Risk Assessment:

- Even though a 4 foot removal was carried out at the Parker Flats MRA, a MEC depth score of 6 (any MEC items remaining at the site are at a depth of 1 foot or greater) has been conservatively selected for input to the MEC risk assessment for the after action scenario.
- 95% of MEC items seeded in the 0 to 6-inch depth interval were detected in the RI equipment evaluations.
- 73% of the MEC items seeded in the 6 to 12-inch depth interval were detected in the RI equipment evaluations.
- 32% of the MEC items seeded at depths greater than 12 inches were detected in the RI equipment evaluation.
- The performance of the surveys and removals at the Parker Flats MRA are considered to be more efficient than the RI equipment evaluation indicates because removals were conducted until all of the anomalies were resolved.

higher than the ability to detect one seeded item. In addition, the field procedure was to continue using the detection instruments as excavations proceeded for all detected items, resulting in better performance than demonstrated in the controlled studies for single seeded items. The increased amount of metal items at pit locations would also increase detection ability above what was determined from the seeded tests; therefore, potential for residual burial pits is significantly lower than the potential for residual single items.

The following MEC Depth Input Scores were selected for the Parker Flats MRA for the after-action scenario:

- A MEC depth score of 6 is selected, representing that no MEC is present on the surface and MEC items may be present at a depth greater than one foot. This score means that the clearance operation is considered to be of a sufficient quality within the top one foot of soil based on the performance. The use of this score is considered valid for the Parker Flats MRA because of the detection efficiencies demonstrated in the top 12 inches. Also the entire site was cleared to the limits of detection of the Schonstedt GA-52/Cx for which the USACE UXO safety specialist was consulted with on a case-by-case basis for approval to investigate all anomalies at depths greater than four feet.
- For scenarios having receptors that have only surface contact with the soil, the MEC Depth score is selected as 1. As mentioned earlier, a score of 1 indicates that the survey and removal of 100% of the items detected over 100% of the area was deemed by the BCT to be of high enough quality to merit a score of 1. This is appropriate because the detection capability was demonstrated at 95% in the top 6 inches. Although the detection efficiency was less than 100%, one hundred percent of the grids within the Parker Flats MRA (except the Army Maintenance Center) were surveyed and all of the items detected with the Schonstedt were removed to the depth of detection. The removal action was designed to address MEC at depth with the USACE UXO safety specialist being consulted with on a case-by-case basis for approval to investigate all anomalies at depths greater than four feet.

The baseline MEC Depth Input Score is 8 for MEC Hazard Types 1 and 2, representing MEC on the surface and MEC below ground surface. The MEC Depth Input Score for MEC Hazard Type 3 is 7, representing no MEC on the surface and MEC below ground surface.

Depths were assumed for the items in MRS-13B without recorded depth information. These assumed depths have minimal effect on the MEC Depth Input Factor. In general, there was enough information regarding depth in MRS-13B to determine whether items were found on the surface. If items were found on the surface, a MEC Depth score of 8 applies for the baseline scenario. In addition, there was sufficient information regarding the depth of items in MRS-13B to show that items were present in most reuse areas below the surface, therefore, a score of 6, as discussed above, would be applicable for the after action scenario.

2.6. Erosion Input Factor

The erosion input factor is based on an estimate of erosion that occurs at the site. Erosion is estimated using the Universal Soil Loss Equation (USLE). The data used to support the erosion estimate is from reference documents and the equation and a step-by-step example calculation are provided as follows:

$$A = R \times K \times LS \times C \times P$$

Where:

- A** = the estimation of average annual soil loss in tons per acre caused by sheet and rill erosion
- R** = rainfall erosivity factor
- K** = soil erodibility factor
- LS** = slope length and steepness factor
- C** = cover and management factor
- P** = support practice factor

Values for each of the above factors were calculated or taken from references as indicated below:

- R = USDA Soil Conservation Service (now called Natural Resource Conservation Service), Davis, CA. "Guides for Erosion and Sediment Control," Appendix A. August 1983
- K = SSURGO Data Base published by the USDA
- LS = Site-specific information calculated by using digital elevation model (DEM) dataset (published by the USGS), and by applying a GIS tool developed by Robert J. Hickey (May 2002).
- C and P: Frederick R. Troeh and Louis M. Thompson. Soil and Soil Fertility. Oxford Press, 1991.

Fort Ord has three soil types according to the SSURGO Data Base published by the USDA. Following is an example calculation for the Arnold-Santa Ynez Complex (Ar) soil, showing the values identified and the final calculated erosion.

R Factor = 15

Step 1: Determine the 2-year 6-hour precipitation in tenths of an inch by looking at appropriate map in Appendix A of "Guides for Erosion and Sediment Control" (USDA 1983). Fort Ord is within the 10 tenths of an inch isopleth. Convert to inches (10 tenths of an inch = 1 inch).

Step 2: Refer to Figure A-1 of "Guides for Erosion and Sediment Control" (USDA 1983) to determine the R Factor Zone. Fort Ord is located in R Factor Zone 1.

Step 3: Use Table A-1 (USDA 1983) to look up the Rounded Annual "R" Values for California R Zones. Fort Ord, which is in R Zone 1 and has a 2-year 6-hour precipitation of 1.0 inch, has an R Factor value of 15. (R values in R Zone 1 are based on the equation $R = 16.552 \times P^{2.17}$ where P = the 2 year 6 hour precipitation).

K Factor = 0.49

Look up the soil erodibility or K Factor value for each soil type. The SSURGO Data Base published by the USDA was used to determine the K Factor value. The K Factors for each of the three soil types found at Fort Ord are listed below:

Oceano (OaD); K = 0.1

Arnold-Santa Ynez Complex (Ar), K = 0.49

Baywood Sand (BbC), K = 0.15

For this example we are using the Ar soil and therefore a K Factor of 0.49.

LS Factor = 0.054 (mean)

Step 1: Obtain a data set for slope length and steepness. The DEM dataset, published by the USGS was used to obtain these values for Fort Ord. The DEM data is a grid system of 100 square foot grids.

Step 2: Input data found in Step 1 into a GIS and use a calculation tool to determine the LS Factor value. The tool developed by Robert J. Hickey, was used to calculate the LS factor for Fort Ord. This tool uses the DEM grid system and the calculation shown below to determine the LS Factor:

$$LS = \left(\frac{I}{72.6 \text{ m}} \right) \times (65.41 \sin^2 \beta + 4.56 \sin \beta + 0.065)$$

Where:

I is the cumulative slope length in feet

β is the downhill slope angle

C Factor = 0.004

Using a reference and knowledge of the site, the C Factor value is selected for the condition of the site. This factor is determined based on land cover and management practices. According to the textbook Soils and Soil Fertility (Troeh, et.al., 1991), Chapter 19, page 381, the C factor for a good growth of permanent pasture is 0.004. Because most of Fort Ord is covered by native vegetation this value was chosen.

P Factor = 1.0

Using a reference and knowledge of the site, to determine a P Factor value for condition of the site is determined. According to the textbook Soils and Soil Fertility (Troeh, et.al., 1991), Chapter 19, page 381, this factor is assigned a value of 1.0 unless special practices are used to reduce erosion. No special erosion reducing practices are used at Ford Ord so the value of 1.0 was used.

Calculating A (tons per acre)

$$A = R \times K \times LS \times C \times P$$

$$A \text{ (tons per acre)} = 15 \times 0.49 \times 0.054 \times 0.004 \times 1 = 0.0016 \text{ tons per acre}$$

Converting to inches

Conversion factors to use:

1 US ton = 907.2 kilograms (kg)

1 kg = 1000 grams (g)

1 acre = 6,170,256 square inches (in²)

Average Soil Bulk Density = 1.65 g per centimeter cubed (cm³) (Assumed bulk density for undisturbed soils [Soils and Soil Fertility, Chapter 3, page 53])

Calculations:

$$A \text{ (cubic inches per acre)} = \frac{0.0016 \text{ tons}}{1 \text{ acre}} \times \frac{907.2 \text{ kg}}{1 \text{ ton}} \times \frac{1000 \text{ g}}{1 \text{ kg}} \times \frac{1 \text{ cm}^3}{1.65 \text{ g}} \times \frac{1 \text{ in}^3}{16.39 \text{ cm}^3} = \frac{53.7 \text{ in}^3}{\text{acre}}$$

$$A \text{ (inches)} = \frac{53.7 \text{ in}^3}{\text{acre}} \times \frac{1 \text{ acre}}{6,170,256 \text{ in}^2} = 0.000009 \text{ inch}$$

The result of the Migration/Erosion input factor score is that the erosion at each of the Parker Flats MRA reuse areas is 1 or “Very stable: MEC will not migrate. Erosion is equal to or less than the site-wide average of 3/100 inch per year.” Erosion may have occurred on the MRA, but it is expected to be associated mostly with roads and trails.

3.0 Discussion of Receptors and Reuse Areas

This section identifies the receptors chosen for the ten reuse areas considered in the Parker Flats MRA risk assessment, shown in Figures 3 and 4. A description of the receptors and the input factors for Level of Intrusion, Frequency of Entry, and Intensity of Contact with Soil are given in Table 3-1.

3.1. Description of Reuse Areas

The Parker Flats MRA is being considered for ten separate reuses – the Monterey Peninsula College Emergency Vehicle Operations Center (MPC EVOC), the Monterey Horse Park (in the Parker Flats MRA and in MRS-13B), the Habitat Reserve Area (in the Parker Flats MRA and in MRS-13B), the Central Coast State Veterans Cemetery, the Development Reserve (in the Parker Flats MRA and in MRS-13B), the Monterey County Public Facilities, an Army Maintenance Center, California State University Monterey Bay (CSUMB) Expansion Area, the Monterey-Salinas Transit (MST) Park and Ride, and MST Maintenance Center. Each of these reuse areas is discussed below in further detail.

MPC EVOC – The MPC EVOC area is proposed for a public safety training center for police academy cadets and veterans. The proposed facility will incorporate a wide variety of training programs, including outdoor training, for police officers, firefighters, paramedics, corrections officers, and park rangers. The MPC area is approximately 221.5 acres and located in the middle portion of the Parker Flats MRA.

Monterey Horse Park – The horse park is proposed to be an international equestrian competition, training, and education center. The portion of the Parker Flats MRA proposed as a horse park is approximately 85.7 acres and located in the northeast portion of the Parker Flats MRA. The portion of MRS-13B proposed as a horse park is approximately 97.2 acres and located in the east portion of MRS-13B. The park will be able to host breed shows and local, national, and international competitions in all seven Fédération Equestre Internationale (FEI) disciplines (dressage, driving, endurance, eventing, reining, show jumping, and vaulting) as well as other equestrian events. The plan includes a 6500-meter cross country course, a separate steeplechase course, indoor and outdoor competition arenas, sand areas, and a veterinary clinic. The park will work with the Monterey County Society for the Prevention of Cruelty to Animals (SPCA) to build a horse rescue and adoption facility. California State University Monterey Bay (CSUMB) will use the park as the home of its future equestrian team (<http://montereyhorsepark.org>). Because the Monterey Horse Park is separated into two areas, between the Parker Flats MRA as a whole and MRS-13B, the separate sites will be identified as the “Parker Flats MRA Horse Park” and the “MRS-13B Horse Park.”

Habitat Reserve – The southeastern portion of the Parker Flats MRA is proposed for an oak woodland and maritime chaparral habitat reserve and is approximately 147.8 acres. A small, 1.1 acre, portion at the southeast-most corner of MRS-13B is also proposed for Habitat Reserve use. The uses of the Habitat Reserve include monitoring and maintaining of the vegetated areas and hiking trails as well as recreational hiking and bicycling on dirt paths. Because habitat reserve areas are proposed for both the Parker Flats MRA as a whole and MRS-13B, the separate sites will be identified as the “Parker Flats MRA Habitat Reserve” and the “MRS-13B Habitat Reserve.”

Central Coast State Veterans Cemetery – A portion of the western Parker Flats MRA is designated as the Central Coast State Veterans Cemetery (Veterans Cemetery). The Veterans Cemetery site comprises approximately 102.1 acres of Parker Flats area MRA. The estimated interment needs of the veteran population in the Monterey, Santa Cruz, San Benito, and southern Santa Clara Counties are 5,600 burial and crypt sites for the initial 10-years. At a minimum, the proposed cemetery will provide 11,500 burial sites in its 20-year build-out. Proposed structures at the cemetery will include an administration building, a committal shelter, and a service building (<http://www.co.monterey.ca.us/cemetery/>). Typical burial depths are 6 feet and 8 feet below ground surface.

Development Reserve – The northern portion of the Parker Flats MRA contains a portion of a development reserve. This development area is just over 36 acres (35.9 in the Parker Flats MRA and 0.3 in MRS-13B) and could contain single family or multi-family residential as well as commercial development. Because development reserve areas are proposed for both the Parker Flats MRA as a whole and MRS-13B, the separate sites will be identified as the “Parker Flats MRA Development Reserve” and the “MRS-13B Development Reserve.”

Monterey County Public Facilities – The central western portion of MRS-13B is proposed for public facilities or institutes for Monterey County. The area is approximately 3 acres. For this assessment, the site is assumed to contain buildings that would be open to the public and the majority of the site would be paved.

CSUMB Expansion Area – The northern portion of MRS-13B is proposed for expansion of the CSU campus. The area is approximately 0.66 acres. For this assessment, the area is assumed to either contain buildings or be an open campus area.

Army Maintenance Center – The Army Maintenance Center is 35.5 acres and will remain in Army control. The site is on the northwestern corner of MRS-13B and was paved beginning in the late 1970s.

MST Park and Ride – The Monterey-Salinas Transit Authority has proposed a commuter facility for the western portion of MRS-13B. The site would be used as a parking lot for commuters to transfer to high-occupancy vehicles for transit. The area is approximately 24.2 acres.

MST Maintenance Center – The MST Maintenance Center is 2.8 acres on the west border of MRS-13B. The site is assumed to contain maintenance buildings and will be paved.

3.2. Description of Receptors

Given the proposed reuses discussed in the previous section, thirteen general representative receptors were chosen for analysis in the MEC risk assessment: trespasser, construction worker, outdoor maintenance worker, recreational user, indoor worker, public facility visitor, student/faculty, RV camper, cemetery worker, cemetery visitor/ceremony attendee, habitat monitor, habitat worker, and an adult or child resident. These receptors are expected to represent a range of uses at the Parker Flats MRA and are described in more detail in Tables 3-1 and 3-2.

It should be noted that some of the receptors are not considered realistic in both the baseline and after-action analyses. For example, the adult/child resident would not be a receptor prior to removal actions because no houses were present in the Parker Flats MRA. Similarly, a trespasser would not be a likely receptor after the residential area is constructed. The baseline analysis receptors show a hypothetical risk prior to any remedial action at the MRA and provide a comparison starting point for the risk at the MRA. The receptors applied to the after-action scenario show the potential risk if no additional actions are taken at the MRA. The potential risk to these receptors will be considered again in the FS.

Table 3-1. Baseline Receptors for Parker Flats MRA MEC Risk Assessment

Receptor	Reuse Areas	Description	Level of Intrusion*	Frequency of Entry**	Intensity of Contact with Soil***
Trespasser	All	A trespasser is expected to be the most likely receptor in the baseline analysis although the Army is still in control of the area in this analysis. Activities anticipated for trespassers could range from taking short cuts through the area to spending a longer time in the area and potentially intruding below the ground surface.	3 A trespasser is expected to intrude below the surface to a depth of two feet.	4 A trespasser is expected to frequently enter the area.	3 A trespasser is expected to spend up to 6 hours per day in contact with the soil.
Recreational User	All, except the Army Maintenance Center	A recreational user is not a likely receptor in the baseline analysis because the Army is still in control of the area in this analysis and, other than the roadways; no areas for recreational use would be available. Expected recreational uses of these areas include bicycling and hiking on dirt paths.	2 A recreational user is not expected to intrude below the surface; however, due to the impact of the bicycles on dirt areas, the recreational user is expected to be in contact with the first 6 inches of the soil.	4 A recreational user is expected to frequently enter the area.	2 A recreational user is expected to spend less than 3 hours per day in contact with the soil.

***Level of Intrusion Scores**

- 1 = Non-Intrusive: Activity on the ground surface, none below the surface
- 2 = Minor Intrusions: Activity on ground surface and ground disturbances to a depth of one foot bgs
- 3 = Moderate Intrusions: Ground disturbances to a depth of two feet bgs
- 4 = Significant Intrusions: Ground disturbances to a depth of four feet bgs
- 5 = Highly Intrusive: Ground disturbances greater than four feet bgs

****Frequency of Entry Scores**

- 1 = Rare: Is not likely to occur (less than once per year to once per year)
- 2 = Infrequent: Will seldom occur (less than once per season to once per month)
- 3 = Occasional: Will likely occur from time to time (more than once per month)
- 4 = Frequent: Will occur frequently (once a week to more than once a week)

*****Intensity of Contact with Soil Scores**

- 1 = Very Low: < 1 hours/day
- 2 = Low: < 3 hours/day
- 3 = Moderate: < 6 hours/day
- 4 = High: < 9 hours/day
- 5 = Very High: > 9 hours/day

Table 3-2. After Action Receptors for Parker Flats MRA MEC Risk Assessment

Receptor	Reuse Areas	Description	Level of Intrusion*	Frequency of Entry**	Intensity of Contact with Soil***
TRESPASSER					
MPC EVOC Trespasser	MPC EVOC	A trespasser in the MPC EVOC area is an unlikely receptor in the after action analysis because it is assumed that the MPC EVOC area will be fenced and well guarded against trespassers.	1 A MPC EVOC trespasser is not expected to intrude below the surface in this area.	2 A MPC EVOC trespasser is expected to infrequently enter the area.	2 A MPC EVOC trespasser is expected to spend less than 3 hours per day in contact with the soil in the area.
Horse Park Trespasser	<ul style="list-style-type: none"> Parker Flats MRA Horse Park MRS-13B Horse Park 	A trespasser is a potential receptor in the after action analysis. The current plan for the Horse Park includes wooded areas which could be visited by a trespasser. Much of the Horse Park will be gated, but it is assumed that the area will not be well guarded against trespassers.	2 A Horse Park trespasser may intrude to a depth of 1 foot below the surface in this area.	2 A Horse Park trespasser is expected to infrequently enter the area.	3 A Horse Park trespasser is expected to spend less than 6 hours per day in contact with the soil in the area.
Habitat Reserve Trespasser	<ul style="list-style-type: none"> Parker Flats MRA Habitat Reserve MRS-13B Habitat Reserve 	A trespasser is expected to a likely receptor in the after action analysis. A trespasser in the Habitat Reserve would likely be able to remain in the area for an extended period because the area would not be fenced and would not likely be well guarded.	2 A Habitat Reserve trespasser may intrude to a depth of 1 foot below the surface in this area.	3 A Habitat Reserve trespasser is expected to occasionally enter the area.	3 A Habitat Reserve trespasser is expected to spend less than 6 hours per day in contact with the soil in the area.
Veterans Cemetery Trespasser	Veterans Cemetery	A trespasser is expected to be a potential receptor in the after action analysis. The Veterans Cemetery will likely be open to visitors during the day. Expected trespasser activities at a cemetery would include vandalism, but are not likely to include intrusive activities. The Cemetery will likely be fenced and closed at night, but not well guarded against trespassers.	1 A Veterans Cemetery trespasser is not expected to intrude below the surface in this area.	2 A Veterans Cemetery trespasser is expected to infrequently enter the area.	3 A Veterans Cemetery trespasser is expected to spend less than 6 hours per day in contact with the soil in the area.

Receptor	Reuse Areas	Description	Level of Intrusion *	Frequency of Entry **	Intensity of Contact with Soil ***
Development Reserve Trespasser	<ul style="list-style-type: none"> Parker Flats MRA Development Reserve MRS-13B Development Reserve 	Once housing is built on the Development Reserve, a trespasser would not be a likely receptor. A trespasser in the Development Reserve is assumed to take a short cut through the development, but not to spend an extended amount of time on the property and is not assumed to intrude below the surface.	1 A Development Reserve trespasser is not expected to intrude below the surface in this area.	1 A Development Reserve trespasser is expected to rarely enter the area.	1 A Development Reserve trespasser is expected to spend less than 1 hour per day in contact with the soil in the area.
Monterey County Public Facility Trespasser	Monterey County Public Facility	A trespasser is expected to be a potential receptor in the after action analysis. The trespasser is assumed to have access, but is not likely to perform intrusive activities because the site will be paved. The property is not assumed to be fenced and is assumed to not be well guarded against trespassers.	1 A County Public Facility trespasser is not expected to intrude below the surface in this area because the site is paved.	3 A County Public Facility trespasser is expected to occasionally enter the area.	1 A County Public Facility trespasser is expected to spend less than 1 hours per day in contact with the soil in the area.
Army Maintenance Center Trespasser	Army Maintenance Center	A trespasser in the Army Maintenance Center is an unlikely receptor in the after action analysis because it is assumed that the Army Maintenance Center will be fenced and well guarded against trespassers. The site is paved and intrusive activities are not expected.	1 An Army Maintenance Center trespasser is not expected to intrude below the surface in this area because the site is paved.	2 An Army Maintenance Center trespasser is expected to infrequently enter the area.	1 An Army Maintenance Center trespasser is expected to spend less than 1 hour per day in contact with the soil in the area.
MST Park and Ride Trespasser	MST Park and Ride II	A trespasser is expected to be a potential receptor in the after action analysis. The MST Park and Ride facility will be open to visitors during the day. The facility is assumed to be paved for parking and vehicle traffic. Expected trespasser activities at the MST Park and Ride facility would include vandalism, but are not likely to include intrusive activities because the site will be paved. The MST Park and Ride facility may be fenced and closed at night, but not well guarded against trespassers.	1 A MST Park and Ride facility trespasser is not expected to intrude below the surface in this area because the site is paved.	3 A MST Park and Ride Facility trespasser is expected to occasionally enter the area.	1 A MST Park and Ride facility trespasser is expected to spend less than 1 hour per day in contact with the soil in the area.

Receptor	Reuse Areas	Description	Level of Intrusion *	Frequency of Entry **	Intensity of Contact with Soil ***
MST Maintenance Center Trespasser	MST Maintenance Center	A trespasser is expected to be a potential receptor in the after action analysis. The trespasser is assumed to have access, but is not likely to perform intrusive activities because the site will be paved. The property is not assumed to be fenced and is assumed to not be well guarded against trespassers.	1 A MST Maintenance Center trespasser is not expected to intrude below the surface in this area because the site is paved.	3 A MST Maintenance Center trespasser is expected to occasionally enter the area.	1 A MST Maintenance Center trespasser is expected to spend less than 1 hours per day in contact with the soil in the area.
RECREATIONAL USER					
MPC EVOC Recreational User	MPC EVOC	A recreational user is a likely receptor in the after action analysis. Expected recreational uses of the MPC EVOC will be minimal and may include bicycling on paved roads and open space activities (e.g., Frisbee, football, etc.).	1 A recreational user in the MPC EVOC is not expected to intrude below the surface.	3 A recreational user in the MPC EVOC is expected to occasionally enter the area.	1 A recreational user in the MPC EVOC is expected to spend less than 1 hour per day in the area.
Recreational Horseback User	<ul style="list-style-type: none"> Parker Flats MRA Horse Park MRS-13B Horse Park 	<p>A recreational horseback user is a likely receptor in the after action analysis. Expected recreational uses of the horse park includes horseback riding, bicycling, and open space activities (e.g., Frisbee, football, etc.).</p> <p>A recreational horseback rider is expected to ride horses at the horse park once or more per week.</p>	2 A recreational horseback rider is not expected to intrude below the surface; however, due to the impact of the horses on dirt areas, the recreational horseback rider is expected to be in contact with the first 6 inches of the soil.	4 A recreational horseback rider is expected to frequently enter the area.	4 A recreational horseback rider is expected to spend 8 hours per day in contact with the soil in the area.

Receptor	Reuse Areas	Description	Level of Intrusion[*]	Frequency of Entry^{**}	Intensity of Contact with Soil^{***}
Habitat Reserve Recreational User	<ul style="list-style-type: none"> Parker Flats MRA Habitat Reserve MRS-13B Habitat Reserve 	A recreational user is a likely receptor in the after action analysis. Expected recreational uses of these areas include bicycling and hiking on dirt paths.	<p>2</p> <p>A recreational user in the habitat reserve is not expected to intrude below the surface; however, due to the impact of the bicycles on dirt areas, the recreational user is expected to be in contact with the first 6 inches of the soil.</p>	<p>4</p> <p>A recreational user is expected to frequently enter the habitat reserve.</p>	<p>2</p> <p>A recreational user in the habitat reserve is expected to spend less than 3 hours per day in the area.</p>
Veterans Cemetery Recreational User	Veterans Cemetery	A recreational user is an unlikely receptor in the after action analysis for the Veterans Cemetery.	<p>1</p> <p>A recreational user in the cemetery is not expected to intrude below the surface in this area.</p>	<p>1</p> <p>A recreational user is rarely expected to enter the area.</p>	<p>1</p> <p>A recreational user is expected to spend less than 1 hour per day in contact with the soil in the area.</p>
Development Reserve Recreational User	<ul style="list-style-type: none"> Parker Flats MRA Development Reserve MRS-13B Development Reserve 	A recreational user is a likely receptor in the after action analysis. Expected recreational uses of these areas include open space activities in a park setting (e.g., Frisbee, football, etc.) as well as bicycling on paved roads.	<p>2</p> <p>A recreational user in the Development reserve is not expected to intrude below the surface; however, due to the potential for digging in dirt areas, the recreational user is expected to be in contact with the first 6 inches of the soil.</p>	<p>4</p> <p>A recreational user is expected to frequently enter the Development reserve</p>	<p>1</p> <p>A recreational user in the Development reserve is expected to spend less than 1 hour per day in the area.</p>

Receptor	Reuse Areas	Description	Level of Intrusion *	Frequency of Entry **	Intensity of Contact with Soil ***
CSUMB Expansion Area Recreational User	CSUMB Expansion Area	A recreational user is a likely receptor in the after action analysis. Expected recreational uses of these areas include open space activities in a park setting (e.g., Frisbee, football, etc.) as well as bicycling on paved roads.	2 A recreational user in the CSUMB Expansion Area is not expected to intrude below the surface; however, due to the potential for digging in dirt areas, the recreational user is expected to be in contact with the first 6 inches of the soil.	4 A recreational user is expected to frequently enter the CSUMB Expansion Area.	1 A recreational user in the CSUMB Expansion Area is expected to spend less than 1 hour per day in the area.
MST Park and Ride Recreational User	MST Park and Ride	A recreational user is not a likely receptor in the after action analysis. The MST Park and Ride is expected to be paved and would not have areas available for recreational activities.	1 A recreational user in the MST Park and Ride area is not expected to intrude below the surface.	1 A recreational user is expected to rarely enter the MST Park and Ride.	1 A recreational user in the MST Park and Ride is expected to spend less than 1 hour per day in the area.
MST Maintenance Center Recreational User	MST Maintenance Center	A recreational user is not a likely receptor in the after action analysis. The MST Maintenance Center is expected to be paved and would not have areas available for recreational activities.	1 A recreational user in the MST Maintenance Center area is not expected to intrude below the surface.	1 A recreational user is expected to rarely enter the MST Maintenance Center.	1 A recreational user in the MST Maintenance Center is expected to spend less than 1 hour per day in the area.
OTHER USERS					
Construction Worker	All	A construction worker is a likely receptor in the after action analysis. Following transfer of the property to public interests, construction workers will be the first likely receptor during the development. The area is currently undeveloped, so there will be a number of buildings and utilities that will be required for the reuses to occur. Construction workers are expected to perform excavations for foundations and utilities and construct structures in the area.	5 A construction worker is expected to intrude below the surface in this area up to a depth of 5 feet.	4 A construction worker is expected to frequently enter the area.	4 A construction worker is expected to spend 8 hours per day in contact with the soil in the area.

Receptor	Reuse Areas	Description	Level of Intrusion *	Frequency of Entry **	Intensity of Contact with Soil ***
Outdoor Maintenance Worker	<ul style="list-style-type: none"> • MPC EVOC • Horse Park • Veterans Cemetery • Parker Flats MRA Development Reserve • MRS-13B Development Reserve • CSUMB Expansion Area 	<p>An outdoor maintenance worker is a likely receptor in the after action analysis.</p> <p>The outdoor maintenance worker receptor is assumed to be responsible for landscape and gardening activities at the sites. These activities may range from lawn maintenance to planting.</p>	<p>4</p> <p>An outdoor maintenance worker is expected to intrude below the surface in this area up to a depth of 3 feet.</p>	<p>4</p> <p>An outdoor maintenance worker is expected to frequently enter the area.</p>	<p>4</p> <p>An outdoor maintenance worker is expected to spend 8 hours per day in contact with the soil in the area.</p>
Indoor Worker	All (except Parker Flats MRA Horse Park and MRS-13B Horse Park)	<p>An indoor worker is a likely receptor in the after action analysis.</p> <p>An indoor worker would include an office worker, a retail worker, or a janitorial worker.</p>	<p>1</p> <p>An indoor worker is not expected to intrude below the surface in this area.</p>	<p>4</p> <p>An indoor worker is expected to frequently enter the area.</p>	<p>1</p> <p>An indoor worker is expected to spend less than 0.5 hours per day in contact with the soil in the area.</p>
Public Facility Visitor	<ul style="list-style-type: none"> • Monterey County Public Facilities • Army Maintenance Center • MST Park and Ride 	<p>A visitor is a likely receptor in the after action analysis. The Monterey County Public Facilities, the Army Maintenance Center, and the MST Park and Ride will be open to the public for various reasons.</p>	<p>1</p> <p>A visitor is not expected to intrude below the surface in this area.</p>	<p>4</p> <p>A visitor is expected to frequently enter the area.</p>	<p>1</p> <p>A visitor is expected to spend less than 0.5 hours per day in contact with the soil in the area.</p>
MPC EVOC Student/Faculty	MPC EVOC	<p>Students and faculty of the MPC EVOC are likely receptors in the after action analysis.</p> <p>Training activities at the MPC EVOC facility may include small arms training, vehicle training, fire fighting, and emergency response. The students and the faculty at the MPC EVOC are assumed to perform the same or similar activities.</p>	<p>1</p> <p>Students and faculty are not expected to intrude below the surface in this area.</p>	<p>4</p> <p>Students and faculty are expected to frequently enter the area.</p>	<p>2</p> <p>Students and faculty are expected to spend up to 2 hours per day in contact with the soil in the area.</p>

Receptor	Reuse Areas	Description	Level of Intrusion *	Frequency of Entry **	Intensity of Contact with Soil ***
CSUMB Student/Faculty	CSUMB Expansion Area	Students and faculty of the CSUMB are likely receptors in the after action analysis. Students and faculty are expected to walk through this area, but are not expected to intrude below the surface.	1 Students and faculty are not expected to intrude below the surface in this area.	4 Students and faculty are expected to frequently enter the area.	1 Students and faculty are expected to spend up to 1 hour per day in contact with the soil in the area.
RV Camper	<ul style="list-style-type: none"> Parker Flats MRA Horse Park MRS-13B Horse Park 	The plans for the horse park area include space for RV parking. An RV camper would be expected to park on the property for a week. All necessary facilities will be available at the horse park, so intrusive activity would not be expected.	1 RV campers are not expected to intrude below the surface in this area.	4 RV campers are expected to frequently enter the area.	3 RV campers are expected to spend less than 6 hours per day in contact with the soil in the area.
Habitat Monitor	<ul style="list-style-type: none"> Parker Flats MRA Habitat Reserve MRS-13B Habitat Reserve 	The habitat monitor is expected on the habitat reserve area for monitoring the ecosystem. The habitat monitor is not expected to perform intrusive activities.	1 A habitat monitor is not expected to intrude below the surface in this area.	4 A habitat monitor is expected to frequently enter the area.	4 A habitat monitor is expected to spend 8 hours per day in contact with the soil in the area.
Habitat Worker	<ul style="list-style-type: none"> Parker Flats MRA Habitat Reserve MRS-13B Habitat Reserve 	The habitat worker is expected on the habitat reserve area for maintaining the ecosystem. The habitat worker is expected to perform intrusive activities for planting and defoliating the trails.	3 A habitat worker is expected to intrude below the surface to a depth of 2 feet in this area.	4 A habitat worker is expected to frequently enter the area.	4 A habitat worker is expected to spend 8 hours per day in contact with the soil in the area.
Cemetery Worker	Veterans Cemetery	Cemetery workers are likely receptors in the after action analysis. A cemetery worker at the Veterans Cemetery would be responsible for excavation of the burial plots. It is assumed that there would be approximately two funerals per week.	5 A cemetery worker is expected to intrude below the surface in this area to a depth of greater than 5 feet.	4 A cemetery worker is expected to frequently enter the area.	4 A cemetery worker is expected to spend 8 hours per day in contact with the soil in the area.

Receptor	Reuse Areas	Description	Level of Intrusion *	Frequency of Entry **	Intensity of Contact with Soil ***
Cemetery Visitor/ Ceremony Attendee	Veterans Cemetery	A cemetery visitor/ceremony attendee is a likely receptor in the after action analysis. It is assumed that someone could visit the Veterans Cemetery daily.	1 A cemetery visitor is not expected to intrude below the surface in this area.	4 A cemetery visitor is expected to frequently enter the area.	1 A cemetery visitor is expected to spend less than 1 hour per day in contact with the soil in the area.
Adult/Child Resident	<ul style="list-style-type: none"> Parker Flats MRA Development Reserve MRS-13B Development Reserve 	A resident is a likely receptor in the after action analysis. Potential development in the Development Reserve could include single and multi family dwellings. An adult resident is expected to perform lawn maintenance and gardening in the yard area and a child resident is expected to spend time in the yard playing, and possibly digging.	4 An adult/child resident is expected to intrude below the surface to a depth of 4 feet in this area.	4 An adult/child resident is expected to frequently enter the area.	2 An adult/child resident is expected to spend 2 hours per day in contact with the soil in the area.

***Level of Intrusion Scores**

- 1 = Non-Intrusive: Activity on the ground surface, none below the surface
2 = Minor Intrusions: Activity on ground surface and ground disturbances to a depth of one foot bgs
3 = Moderate Intrusions: Ground disturbances to a depth of two feet bgs
4 = Significant Intrusions: Ground disturbances to a depth of four feet bgs
5 = Highly Intrusive: Ground disturbances greater than four feet bgs

****Frequency of Entry Scores**

- 1 = Rare: Is not likely to occur (less than once per year to once per year)
2 = Infrequent: Will seldom occur (less than once per season to once per month)
3 = Occasional: Will likely occur from time to time (more than once per month)
4 = Frequent: Will occur frequently (once a week to more than once a week)

*****Intensity of Contact with Soil Scores**

- 1 = Very Low: < 1 hours/day
2 = Low: < 3 hours/day
3 = Moderate: < 6 hours/day
4 = High: < 9 hours/day
5 = Very High: > 9 hours/day

4.0 MEC Risk Assessment Results

Two scenarios were analyzed to determine the Overall MEC Risk at the Parker Flats MRA – baseline and after-action. The following sections describe the assumptions and results of each analysis and for each of the areas. Figures 3 and 4 show the reuse areas in Parker Flats MRA.

4.1. Presentation of Input Scores

4.1.1. Baseline Scenario Analysis

The baseline analysis considers the potential MEC risk at the site following the closure of Fort Ord in 1994. The baseline analysis does not represent the current state of Parker Flats MRA; however, it provides a background representation of the potential MEC risk prior to any removal actions, allowing for an analysis of the removal actions.

The Level of Intrusion, Frequency of Entry, and Intensity of Contact with Soil input factors are provided for each receptor in Table 3-1. The Migration/Erosion Potential score is expected to be low for all of the reuse areas. The Army Maintenance Center was not part of the geophysical survey and removal activities at MRS-13B. The CSUMB Expansion Area, the Monterey County Public Facilities, and the MRS-13B Habitat Reserve did not contain MEC. All of the remaining reuse areas contain MEC Hazard Types 1, 2, and 3 except for the MRS-13B Development Reserve and MST Maintenance Center, where no MEC Hazard Types 2 or 3 were found.

Table 4-1 provides the baseline analysis results of the density calculations, as discussed in Section 2.3.1, and the corresponding MEC Density input factor score for each of the reuse areas by MEC Hazard Type and by depth below ground surface.

Table 4-1. Baseline MEC Density

Depth (feet)	Land Reuse	BASELINE MEC DENSITY (number per acre calculated)			BASELINE MEC DENSITY INPUT FACTOR SCORE		
		MEC Hazard Type			MEC Hazard Type		
		1	2	3	1	2	3
0	MPC EVOC	0.170	0.043	0	3	2	NA ^a
0-1	MPC EVOC	2.656	0.238	0.234	4	3	3
0-2	MPC EVOC	4.314	0.261	NC ^b	4	3	4
0-3	MPC EVOC	4.633	0.265	NC ^b	4	3	4
0-4	MPC EVOC	4.847	0.265	NC ^b	4	3	4
0-5	MPC EVOC	9.695	0.530	NC ^b	4	3	4

Depth (feet)	Land Reuse	BASELINE MEC DENSITY (number per acre calculated)			BASELINE MEC DENSITY INPUT FACTOR SCORE		
		MEC Hazard Type			MEC Hazard Type		
		1	2	3	1	2	3
0	Parker Flats MRA Horse Park	0.107	0.040	0	3	2	NA ^a
0-1	Parker Flats MRA Horse Park	1.437	0.146	0.047	4	3	2
0-2	Parker Flats MRA Horse Park	1.570	0.146	0.047	4	3	2
0-3	Parker Flats MRA Horse Park	1.593	0.146	0.047	4	3	2
0-4	Parker Flats MRA Horse Park	1.630	0.146	0.047	4	3	2
0-5	Parker Flats MRA Horse Park	3.259	0.292	0.093	4	3	2
0	MRS-13B Horse Park	0.076	0.011	0	2	2	NA ^a
0-1	MRS-13B Horse Park	1.305	0.033	0.010	4	2	2
0-2	MRS-13B Horse Park	1.647	0.033	0.021	4	2	2
0-3	MRS-13B Horse Park	1.730	0.044	0.021	4	2	2
0-4	MRS-13B Horse Park	1.854	0.074	0.021	4	2	2
0-5	MRS-13B Horse Park	1.854	0.074	0.021	4	2	2
0	Parker Flats MRA Habitat Reserve	0.071	0	0	2	NA ^a	NA ^a
0-1	Parker Flats MRA Habitat Reserve	1.606	0.144	0.054	4	3	2
0-2	Parker Flats MRA Habitat Reserve	2.084	0.144	0.054	4	3	2
0-3	Parker Flats MRA Habitat Reserve	3.400	0.165	0.054	4	3	2
0-4	Parker Flats MRA Habitat Reserve	3.518	0.186	0.054	4	3	2
0-5	Parker Flats MRA Habitat Reserve	7.037	0.372	0.108	4	3	3
0	Veterans Cemetery	0.041	0	0	2	NA ^a	NA ^a
0-1	Veterans Cemetery	1.850	0.140	0.105	4	3	3
0-2	Veterans Cemetery	2.185	0.170	0.105	4	3	3
0-3	Veterans Cemetery	2.205	0.170	0.154	4	3	3
0-4	Veterans Cemetery	2.205	0.170	0.154	4	3	3
0-5	Veterans Cemetery	4.410	0.340	0.308	4	3	3
0	Parker Flats MRA Development Reserve	0	0	0	NA ^a	NA ^a	NA ^a
0-1	Parker Flats MRA Development Reserve	1.636	0.093	0.195	4	2	3
0-2	Parker Flats MRA Development Reserve	1.636	0.093	0.195	4	2	3
0-3	Parker Flats MRA Development Reserve	2.682	0.093	0.195	4	2	3
0-4	Parker Flats MRA Development Reserve	2.682	0.093	0.195	4	2	3
0-5	Parker Flats MRA Development Reserve	5.364	0.186	0.390	4	3	3

Depth (feet)	Land Reuse	BASELINE MEC DENSITY (number per acre calculated)			BASELINE MEC DENSITY INPUT FACTOR SCORE		
		MEC Hazard Type			MEC Hazard Type		
		1	2	3	1	2	3
0	MRS-13B Development Reserve	0	0	0	NA ^a	NA ^a	NA ^a
0-1	MRS-13B Development Reserve	4.241	0	0	4	NA ^c	NA ^c
0-2	MRS-13B Development Reserve	4.241	0	0	4	NA ^c	NA ^c
0-3	MRS-13B Development Reserve	4.241	0	0	4	NA ^c	NA ^c
0-4	MRS-13B Development Reserve	4.241	0	0	4	NA ^c	NA ^c
0-5	MRS-13B Development Reserve	4.241	0	0	4	NA ^c	NA ^c
0	MST Park and Ride	0.130	0	0	3	NA ^a	NA ^a
0-1	MST Park and Ride	2.585	0.047	0.041	4	2	2
0-2	MST Park and Ride	3.266	0.129	0.041	4	3	2
0-3	MST Park and Ride	3.266	0.129	0.083	4	3	2
0-4	MST Park and Ride	3.266	0.129	0.083	4	3	2
0-5	MST Park and Ride	3.266	0.129	0.083	4	3	2
0	MST Maintenance Center	0	0	0	NA ^a	NA ^a	NA ^a
0-1	MST Maintenance Center	0	0	0	NA ^a	NA ^a	NA ^a
0-2	MST Maintenance Center	0	0	0	NA ^a	NA ^a	NA ^a
0-3	MST Maintenance Center	0.712	0	0	3	NA ^c	NA ^c
0-4	MST Maintenance Center	0.712	0	0	3	NA ^c	NA ^c
0-5	MST Maintenance Center	0.712	0	0	3	NA ^c	NA ^c

^a NA – No MEC items were found in this depth interval

^b NC – These numbers are not calculated because the Pd value from Table 2-3 was 0% and the calculation would result in an infinite number of items.

^c NA – No MEC Hazard Type 2 and 3 items were found in either the MRS-13B Development Reserve or the MST Maintenance Center, therefore, the MEC Density Input Factor score is not applicable.

4.1.2. After-action Scenario Analysis

The after-action scenario analysis considers the MEC risk at the site following the removal actions performed on Parker Flats MRA. The after-action scenario represents the current state of Parker Flats MRA. The removal work performed in the Parker Flats MRA included MEC investigation and removal, as discussed in Section 3.0 of the RI.

The Level of Intrusion, Frequency of Entry, and Intensity of Contact with Soil input factors are provided for each receptor in Table 3-2. The Migration/Erosion Potential Score is expected to remain low for all of the reuse areas. All of the reuse areas contained MEC Hazard Types 1, 2, and 3.

Table 4-2 provides the after-action analysis results of the density calculations, as discussed in Section 2.3.1, and the MEC Density input factor score for each of the reuse areas by MEC Hazard Type and by depth below ground surface.

Table 4-2. After-action MEC Density

Depth (feet)	Land Reuse	AFTER-ACTION MEC DENSITY (number per acre calculated)			AFTER-ACTION MEC DENSITY INPUT FACTOR SCORE		
		MEC Hazard Type			MEC Hazard Type		
		1	2	3	1	2	3
0	MPC EVOC	NC ^a	NC ^a	NA ^b	1	1	1
0-1	MPC EVOC	NC ^a	NC ^a	NC ^a	1	1	1
0-2	MPC EVOC	1.840	0.080	NC ^c	4	2	4
0-3	MPC EVOC	2.041	0.080	NC ^c	4	2	4
0-4	MPC EVOC	2.156	0.080	NC ^c	4	2	4
0-5	MPC EVOC	4.312	0.160	NC ^c	4	3	4
0	Parker Flats MRA Horse Park	NC ^a	NC ^a	NA ^b	1	1	1
0-1	Parker Flats MRA Horse Park	NC ^a	NC ^a	NC ^a	1	1	1
0-2	Parker Flats MRA Horse Park	0.532	0.041	0.023	3	2	2
0-3	Parker Flats MRA Horse Park	0.532	0.041	0.023	3	2	2
0-4	Parker Flats MRA Horse Park	0.556	0.041	0.023	3	2	2
0-5	Parker Flats MRA Horse Park	1.113	0.082	0.047	4	2	2
0	MRS-13B Horse Park	NC ^a	NC ^a	NA ^b	1	1	1
0-1	MRS-13B Horse Park	NC ^a	NC ^a	NC ^a	1	1	1
0-2	MRS-13B Horse Park	0.453	0.002	0 ^d	3	2	1
0-3	MRS-13B Horse Park	0.475	0.002	0 ^d	3	2	1
0-4	MRS-13B Horse Park	0.475	0.002	0 ^d	3	2	1

Depth (feet)	Land Reuse	AFTER-ACTION MEC DENSITY (number per acre calculated)			AFTER-ACTION MEC DENSITY INPUT FACTOR SCORE		
		MEC Hazard Type			MEC Hazard Type		
		1	2	3	1	2	3
0-5	MRS-13B Horse Park	0.475	0.002	0 ^d	3	2	1
0	Parker Flats MRA Habitat Reserve	NC ^a	NC ^a	NA ^b	1	1	1
0-1	Parker Flats MRA Habitat Reserve	NC ^a	NC ^a	NC ^a	1	1	1
0-2	Parker Flats MRA Habitat Reserve	0.792	0.049	0.027	3	2	2
0-3	Parker Flats MRA Habitat Reserve	1.669	0.063	0.027	4	2	2
0-4	Parker Flats MRA Habitat Reserve	1.747	0.078	0.027	4	2	2
0-5	Parker Flats MRA Habitat Reserve	3.493	0.156	0.054	4	3	2
0	Veterans Cemetery	NC ^a	NA ^b	NA ^b	1	1	1
0-1	Veterans Cemetery	NC ^a	NC ^a	NC ^a	1	1	1
0-2	Veterans Cemetery	0.726	0.053	0.017	3	2	2
0-3	Veterans Cemetery	0.726	0.053	0.056	3	2	2
0-4	Veterans Cemetery	0.726	0.053	0.056	3	2	2
0-5	Veterans Cemetery	1.452	0.105	0.112	4	3	3
0	Parker Flats MRA Development Reserve	NA ^b	NA ^b	NA ^b	1	1	1
0-1	Parker Flats MRA Development Reserve	NC ^a	NC ^a	NC ^a	1	1	1
0-2	Parker Flats MRA Development Reserve	0.465	0.037	0.056	3	2	2
0-3	Parker Flats MRA Development Reserve	1.176	0.037	0.056	4	2	2
0-4	Parker Flats MRA Development Reserve	1.176	0.037	0.056	4	2	2
0-5	Parker Flats MRA Development Reserve	2.352	0.074	0.112	4	2	3
0	MRS-13B Development Reserve	NA ^b	NA ^b	NA ^b	1	NA ^d	NA ^d
0-1	MRS-13B Development Reserve	NC ^a	NA ^b	NA ^b	1	NA ^d	NA ^d
0-2	MRS-13B Development Reserve	1.145	NA ^b	NA ^b	4	NA ^d	NA ^d
0-3	MRS-13B Development Reserve	1.145	NA ^b	NA ^b	4	NA ^d	NA ^d
0-4	MRS-13B Development Reserve	1.145	NA ^b	NA ^b	4	NA ^d	NA ^d
0-5	MRS-13B Development Reserve	1.145	NA ^b	NA ^b	4	NA ^d	NA ^d
0	MST Park and Ride	NC ^a	NA ^b	NA ^b	1	1	1
0-1	MST Park and Ride	NC ^a	NC ^a	NC ^a	1	1	1
0-2	MST Park and Ride	0.623	0.006	0 ^f	3	2	1
0-3	MST Park and Ride	0.623	0.006	0 ^f	3	2	1
0-4	MST Park and Ride	0.623	0.006	0 ^f	3	2	1

Depth (feet)	Land Reuse	AFTER-ACTION MEC DENSITY (number per acre calculated)			AFTER-ACTION MEC DENSITY INPUT FACTOR SCORE		
		MEC Hazard Type			MEC Hazard Type		
		1	2	3	1	2	3
0-5	MST Park and Ride	0.623	0.006	0 ^f	3	2	1
0	MST Maintenance Center	NA ^b	NA ^b	NA ^b	1	NA ^h	NA ^h
0-1	MST Maintenance Center	NA ^b	NA ^b	NA ^b	1	NA ^h	NA ^h
0-2	MST Maintenance Center	NA ^b	NA ^b	NA ^b	1	NA ^h	NA ^h
0-3	MST Maintenance Center	0 ^g	NA ^b	NA ^b	1	NA ^h	NA ^h
0-4	MST Maintenance Center	0 ^g	NA ^b	NA ^b	1	NA ^h	NA ^h
0-5	MST Maintenance Center	0 ^g	NA ^b	NA ^b	1	NA ^h	NA ^h

^a NC – The potential number per acre were not calculated for the surface to one-foot below ground surface because all of the items found in this interval have been removed (corresponding to a score of 1).

^b NA – No MEC items were found in this depth interval

^c These number per item is not calculated because the Pd value from Table 2-3 was 0% and the calculation would result in an infinite number of items.

^d NA – No MEC Hazard Type 2 or 3 items were found in the MRS-13B Development Reserve, therefore, the MEC Density Input Factor score is not applicable.

^f One MEC Hazard Type 3 pit was found in the MST Park and Ride area below one foot and one MEC Hazard Type 3 item was found within the top one foot. Burial pits are not included in the calculation of potential residual density as discussed in Section 2.4.1.

^g Two MEC Hazard Type 1 pits were found in the MST Maintenance Center below two feet. Burial pits are not included in the calculation of potential residual density as discussed in Section 2.4.1.

^h No MEC Hazard Type 2 or 3 items were found in the MST Maintenance Center, therefore, the MEC Density Input Factor score is not applicable.

4.2. Description of Overall MEC Risk

The input factors were applied to the Protocol to determine the Overall MEC Risk. Attachment A provides the matrices from the Protocol.

4.2.1. Baseline Analysis

Tables 4-3 through 4-11 provide a summary of the input factors and the MEC risk assessment results for each of the reuse areas, except the Army Maintenance Center, the Monterey County Public Facilities, the MRS-13B Habitat Reserve, and the CSUMB Expansion Area. For each receptor, the risk posed by each MEC Hazard Type is scored separately. The MEC Hazard Type giving the highest Overall MEC Risk score is highlighted in each table. In general, the highest MEC Hazard Type (MEC Hazard Type 3) produces the highest Overall MEC Risk. However, in some instances, the MEC Density associated with MEC Hazard Type 3 is lower than the MEC Density of another MEC Hazard Type and the Overall MEC Risk score is determined using another MEC Hazard Type. Theoretically, if there is one MEC Hazard Type 3 item in an area and ten MEC Hazard Type 2 items in the same area, the risk is more likely to be from the MEC Hazard Type 2 items. The risk scores are based on the MEC Hazard Type found in each area and the related estimation of the residual MEC density. MEC Hazard Types that were not found in an area were not considered in the risk evaluation. While the probability of their presence is very likely low, the potential exists for items of these types to be found at the site. Attachment C provides the narrative discussion of each of the results.

The Army Maintenance Center was developed starting in the 1970s. Because the area is paved, no MEC surveys or removals have been performed to date. The baseline analysis of the Army Maintenance Center cannot be directly applied using the Protocol without supporting data on the MEC potentially found in this area. The Army Maintenance Center was previously identified in the 1950s and 1960s as the Guard Duty Area, Mortar Square #2 and the physical training area (PCPTA-2). Given this usage, the expected MEC at the Army Maintenance Center would be similar to the MEC found throughout MRS-13B, specifically, hand grenades (practice, smoke, and illumination), practice mortars, signals, and flares. Because the area is developed, the assumed receptors for the baseline analysis would be indoor workers and trespassers. An indoor worker would have a low risk in the paved area because s/he would not be expected to intrude below ground surface and would not spend time in contact with soil at the Center. A trespasser in the baseline analysis is assumed to intrude up to two feet below ground surface and to spend up to six hours per day in contact with the soil. It is unlikely that a trespasser at the Army Maintenance Center would meet these criteria because digging below the pavement would require mechanical equipment. Therefore, the risk to the trespasser in the baseline analysis would also be low. Should a receptor gain access to the soil below the pavement, the risk would increase depending on the items discovered.

The Monterey County Public Facilities, the MRS-13B Habitat Reserve, and the CSUMB Expansion Area had no MEC items found during MEC survey and removal activities. These areas would be considered low risk using the Protocol because the density and depth input factors would be negligible. Overall risk scores were not applied to these areas because no data was available to support the presence of MEC in the areas.

4.2.2. After-action Analysis

Tables 4-12 through 4-20 provide a summary of the input factors and the MEC risk assessment results for each of the reuse areas, except the Army Maintenance Center, the Monterey County Public Facilities, the MRS-13B Habitat Reserve, and the CSUMB Expansion Area. For each receptor, the risk posed by each MEC Hazard Type is scored separately. The MEC Hazard Type giving the highest Overall MEC Risk score is highlighted in each table. In general, the highest MEC Hazard Type (MEC Hazard Type 3) produces the highest Overall MEC Risk. However, in some instances, the MEC Density associated with MEC Hazard Type 3 is lower than the MEC Density of another MEC Hazard Type and the Overall MEC Risk score is determined using another MEC Hazard Type. Theoretically, if there is one MEC Hazard Type 3 item in an area and ten MEC Hazard Type 2 items in the same area, the risk is more likely to be from the MEC Hazard Type 2 items. The risk scores are based on the MEC Hazard Type found in each area and the related estimation of the residual MEC density. MEC Hazard Types that were not found in an area were not considered in the risk evaluation. While the probability of their presence is very likely low, the potential exists for items of these types to be found at the site. Attachment C provides the narrative discussion of each of the highlighted results.

The after action analysis is not directly applicable to the Army Maintenance Center reuse area because no survey and removal actions were performed in the area and there is no data available to support a risk assessment. The expected receptors in the Army Maintenance Center, for the after action analysis, would be indoor workers, construction workers, public facility visitors, and trespassers. As with the baseline analysis, the indoor worker would have a low risk in the paved area. A public facility visitor would be expected to have similar interaction with the site as an indoor worker. The public facility visitor would not be expected to intrude below the ground surface and would not spend time in contact with the soil. A trespasser in the after action analysis is not assumed to intrude below ground surface and would spend less than one hour per day in contact with the soil. Therefore, the risk to the trespasser in the after action analysis would also be low. Construction workers at the Army Maintenance Center would present the highest risk due to the potential for a higher level of intrusion and more than six hours spent in contact with the soil. Should any receptor gain access to the soil below the pavement, the risk would increase depending on the items discovered.

The Monterey County Public Facilities, the MRS-13B Habitat Reserve, and the CSUMB Expansion Area had no MEC items found during MEC survey and removal activities. These areas would be considered low risk using the Protocol because the density and depth input factors would be negligible. Overall risk scores were not applied to these areas because no data was available to support the presence of MEC in the areas.

Table 4-3. MPC EVOC Baseline Analysis Results

Receptor	MEC Hazard Type	MEC Depth Below Ground Surface	Migration/Erosion Potential	Level of Intrusion	Accessibility Factor	MEC Density	Frequency of Entry	Intensity of Contact with Soil	Exposure Factor	Overall MEC Risk*
MPC Trespasser	1	8	1	3	5	4	4	3	5	D
	2	8	1	3	5	3	4	3	5	E
	3	7	1	3	5	4	4	3	5	E
Construction Worker	1	8	1	5	5	4	4	4	5	D
	2	8	1	5	5	3	4	4	5	E
	3	7	1	5	5	4	4	4	5	E
Outdoor Maintenance Worker	1	8	1	4	5	4	4	4	5	D
	2	8	1	4	5	3	4	4	5	E
	3	7	1	4	5	4	4	4	5	E
MPC Recreational User	1	8	1	2	5	4	4	2	5	D
	2	8	1	2	5	3	4	2	4	E
	3	7	1	2	5	3	4	2	4	E
Indoor Worker	1	8	1	1	5	3	4	1	3	D
	2	8	1	1	5	2	3	1	2	C
	3	7	1	1	4	2	3	1	2	C
Student/Faculty	1	8	1	1	5	3	4	2	4	D
	2	8	1	1	5	2	4	2	3	C
	3	7	1	1	4	2	4	2	2	C

***Overall MEC Risk Scoring**

A = Lowest Risk
B = Low Risk
C = Medium Risk
D = High Risk
E = Highest Risk

Table 4-4. Parker Flats MRA Horse Park Baseline Analysis Results

Receptor	MEC Hazard Type	MEC Depth Below Ground Surface	Migration/Erosion Potential	Level of Intrusion	Accessibility Factor	MEC Density	Frequency of Entry	Intensity of Contact with Soil	Exposure Factor	Overall MEC Risk*
Horse Park Trespasser	1	8	1	3	5	4	4	3	5	D
	2	8	1	3	5	3	4	3	5	E
	3	7	1	3	5	2	4	3	3	E
Construction Worker	1	8	1	5	5	4	4	4	5	D
	2	8	1	5	5	3	4	4	5	E
	3	7	1	5	5	2	4	4	4	E
Outdoor Maintenance Worker	1	8	1	4	5	4	4	4	5	D
	2	8	1	4	5	3	4	4	5	E
	3	7	1	4	5	2	4	4	4	E
RV Camper	1	8	1	1	5	3	4	3	5	D
	2	8	1	1	5	2	4	3	3	D
	3	7	1	1	4	2	4	3	3	D
Recreational Horseback Rider	1	8	1	2	5	4	4	4	5	D
	2	8	1	2	5	3	4	4	5	E
	3	7	1	2	5	2	4	4	4	E

***Overall MEC Risk Scoring**

A = Lowest Risk
B = Low Risk
C = Medium Risk
D = High Risk
E = Highest Risk

Table 4-5. MRS-13B Horse Park Baseline Analysis Results

Receptor	MEC Hazard Type	MEC Depth Below Ground Surface	Migration/Erosion Potential	Level of Intrusion	Accessibility Factor	MEC Density	Frequency of Entry	Intensity of Contact with Soil	Exposure Factor	Overall MEC Risk*
Horse Park Trespasser	1	8	1	3	5	4	4	3	5	D
	2	8	1	3	5	2	4	3	3	D
	3	7	1	3	5	2	4	3	3	E
Construction Worker	1	8	1	5	5	4	4	4	5	D
	2	8	1	5	5	2	4	4	4	E
	3	7	1	5	5	2	4	4	4	E
Outdoor Maintenance Worker	1	8	1	4	5	4	4	4	5	D
	2	8	1	4	5	2	4	4	4	E
	3	7	1	4	5	2	4	4	4	E
RV Camper	1	8	1	1	5	2	4	3	3	D
	2	8	1	1	5	2	4	3	3	D
	3	7	1	1	4	2	4	3	3	D
Recreational Horseback Rider	1	8	1	2	5	4	4	4	5	D
	2	8	1	2	5	2	4	4	4	E
	3	7	1	2	5	2	4	4	4	E

***Overall MEC Risk Scoring**

A = Lowest Risk
B = Low Risk
C = Medium Risk
D = High Risk
E = Highest Risk

Table 4-6. Parker Flats MRA Habitat Reserve Baseline Analysis Results

Receptor	MEC Hazard Type	MEC Depth Below Ground Surface	Migration/Erosion Potential	Level of Intrusion	Accessibility Factor	MEC Density	Frequency of Entry	Intensity of Contact with Soil	Exposure Factor	Overall MEC Risk*
Habitat Reserve Trespasser	1	8	1	3	5	4	4	3	5	D
	2	7	1	3	5	3	4	3	5	E
	3	7	1	3	5	2	4	3	4	E
Construction Worker	1	8	1	5	5	4	4	4	5	D
	2	7	1	5	5	3	4	4	5	E
	3	7	1	5	5	3	4	4	5	E
Habitat Reserve Recreational User	1	8	1	2	5	4	4	2	5	D
	2	7	1	2	5	3	4	2	4	E
	3	7	1	2	5	2	4	2	3	D
Habitat Monitor	1	8	1	1	5	2	4	4	4	D
	2	7	1	1	4	2	4	4	4	E
	3	7	1	1	4	2	4	4	4	E
Habitat Worker	1	8	1	3	5	4	4	4	5	D
	2	7	1	3	5	3	4	4	5	E
	3	7	1	3	5	2	4	4	4	E

***Overall MEC Risk Scoring**

A = Lowest Risk
B = Low Risk
C = Medium Risk
D = High Risk
E = Highest Risk

Table 4-7. Veterans Cemetery Baseline Analysis Results

Receptor	MEC Hazard Type	MEC Depth Below Ground Surface	Migration/ Erosion Potential	Level of Intrusion	Accessibility Factor	MEC Density	Frequency of Entry	Intensity of Contact with Soil	Exposure Factor	Overall MEC Risk*
Veterans Cemetery Trespasser	1	8	1	3	5	4	4	3	5	D
	2	7	1	3	5	3	4	3	4	E
	3	7	1	3	5	3	4	3	4	E
Construction Worker	1	8	1	5	5	4	4	4	5	D
	2	7	1	5	5	3	4	4	5	E
	3	7	1	5	5	3	4	4	5	E
Outdoor Maintenance Worker	1	8	1	4	5	4	4	4	5	D
	2	7	1	4	5	3	4	4	5	E
	3	7	1	4	5	3	4	4	5	E
Cemetery Recreational User	1	8	1	2	5	4	4	2	5	D
	2	7	1	2	5	3	4	2	4	E
	3	7	1	2	5	3	4	2	4	E
Cemetery Worker	1	8	1	5	5	4	4	4	5	D
	2	7	1	5	5	3	4	4	5	E
	3	7	1	5	5	3	4	4	5	E
Cemetery Visitor	1	8	1	1	5	2	4	1	2	C
	2	7	1	1	4	2	4	1	2	C
	3	7	1	1	4	2	4	1	2	C

***Overall MEC Risk Scoring**

A = Lowest Risk
B = Low Risk
C = Medium Risk
D = High Risk
E = Highest Risk

Table 4-8. Parker Flats MRA Development Reserve Baseline Analysis Results

Receptor	MEC Hazard Type	MEC Depth Below Ground Surface*	Migration / Erosion Potential	Level of Intrusion	Accessibility Factor	MEC Density	Frequency of Entry	Intensity of Contact with Soil	Exposure Factor	Overall MEC Risk**
Development Reserve Trespasser	1	7	1	3	5	4	4	3	5	D
	2	7	1	3	5	2	4	3	4	D
	3	7	1	3	5	3	4	3	5	E
Construction Worker	1	7	1	5	5	4	4	4	5	D
	2	7	1	5	5	3	4	4	5	E
	3	7	1	5	5	3	4	4	5	E
Outdoor Maintenance Worker	1	7	1	4	5	4	4	4	5	D
	2	7	1	4	5	2	4	4	4	E
	3	7	1	4	5	3	4	4	5	E
Development Reserve Recreational User	1	7	1	2	5	4	4	2	5	D
	2	7	1	2	5	2	4	2	3	C
	3	7	1	2	5	3	4	2	4	E
Indoor Worker	1	7	1	1	4	2	4	1	3	B
	2	7	1	1	4	2	4	1	3	C
	3	7	1	1	4	2	4	1	3	C
Adult/ Child Resident	1	7	1	4	5	4	4	2	5	D
	2	7	1	4	5	2	4	2	3	C
	3	7	1	4	5	3	4	2	4	E

* No MEC items were found on the surface in the Parker Flats MRA Development Reserve

****Overall MEC Risk Scoring**

A = Lowest Risk

B = Low Risk

C = Medium Risk

D = High Risk

E = Highest Risk

***NA – Not Applicable because no MEC Hazard Type 3 items were found in the Parker Flats MRA Development Reserve.

Table 4-9. MRS-13B Development Reserve Baseline Analysis Results

Receptor	MEC Hazard Type	MEC Depth Below Ground Surface*	Migration / Erosion Potential	Level of Intrusion	Accessibility Factor	MEC Density	Frequency of Entry	Intensity of Contact with Soil	Exposure Factor	Overall MEC Risk**
Development Reserve Trespasser	1	7	1	3	5	4	4	3	5	D
	2	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
	3	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
Construction Worker	1	7	1	5	5	4	4	4	5	D
	2	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
	3	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
Outdoor Maintenance Worker	1	7	1	4	5	4	4	4	5	D
	2	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
	3	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
Development Reserve Recreational User	1	7	1	2	5	4	4	2	5	D
	2	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
	3	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
Indoor Worker	1	7	1	1	4	2	4	1	2	B
	2	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
	3	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
Adult/ Child Resident	1	7	1	4	5	4	4	2	5	D
	2	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
	3	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***

* No MEC items were found on the surface in the MRS-13B Development Reserve

****Overall MEC Risk Scoring**

A = Lowest Risk

B = Low Risk

C = Medium Risk

D = High Risk

E = Highest Risk

***NA – Not Applicable because no MEC Hazard Type 2 or 3 items were found in the MRS 13 B Development Reserve.

Table 4-10. MST Park and Ride Baseline Analysis Results

Receptor	MEC Hazard Type	MEC Depth Below Ground Surface	Migration / Erosion Potential	Level of Intrusion	Accessibility Factor	MEC Density	Frequency of Entry	Intensity of Contact with Soil	Exposure Factor	Overall MEC Risk*
MST Park and Ride Trespasser	1	8	1	3	5	4	4	3	5	D
	2	7	1	3	5	3	4	3	4	E
	3	7	1	3	5	2	4	3	3	E
Construction Worker	1	8	1	5	5	4	4	4	5	D
	2	7	1	5	5	3	4	4	5	E
	3	7	1	5	5	2	4	4	4	E
MST Park and Ride Recreational User	1	8	1	2	5	4	4	2	5	D
	2	7	1	2	5	2	4	2	2	C
	3	7	1	2	5	2	4	2	2	D
Indoor Worker	1	8	1	1	5	3	4	1	3	D
	2	7	1	1	4	2	4	1	2	C
	3	7	1	1	4	2	4	1	2	C
Public Facility Visitor	1	8	1	1	5	3	4	1	3	D
	2	7	1	1	4	2	4	1	2	C
	3	7	1	1	4	2	4	1	2	C

***Overall MEC Risk Scoring**

A = Lowest Risk
B = Low Risk
C= Medium Risk
D = High Risk
E = Highest Risk

Table 4-11. MST Maintenance Center Baseline Analysis Results

Receptor	MEC Hazard Type	MEC Depth Below Ground Surface*	Migration / Erosion Potential	Level of Intrusion	Accessibility Factor	MEC Density	Frequency of Entry	Intensity of Contact with Soil	Exposure Factor	Overall MEC Risk**
MST Maintenance Center Trespasser	1	7	1	3	5	2	4	3	3	D
	2	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
	3	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
Construction Worker	1	7	1	5	5	3	4	4	5	D
	2	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
	3	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
MST Maintenance Center Recreational User	1	7	1	2	5	2	4	2	2	C
	2	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
	3	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
Indoor Worker	1	7	1	1	4	2	4	1	2	B
	2	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
	3	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***

* No MEC items were found on the surface in the MST Maintenance Center

****Overall MEC Risk Scoring**

A = Lowest Risk

B = Low Risk

C = Medium Risk

D = High Risk

E = Highest Risk

***NA – Not Applicable because no MEC Hazard Type 2 or 3 items were found in the MST Maintenance Center.

Table 4-12. MPC EVOC After-action Analysis Results

Receptor	MEC Hazard Type	MEC Depth Below Ground Surface	Migration/Erosion Potential	Level of Intrusion	Accessibility Factor	MEC Density	Frequency of Entry	Intensity of Contact with Soil	Exposure Factor	Overall MEC Risk*
MPC Trespasser	1	1	1	1	1	1	2	2	1	A
	2	1	1	1	1	1	2	2	1	A
	3	1	1	1	1	1	2	2	1	A
Construction Worker	1	6	1	5	5	4	4	4	5	D
	2	6	1	5	5	3	4	4	5	E
	3	6	1	5	5	4	4	4	5	E
Outdoor Maintenance Worker	1	6	1	4	5	4	4	4	5	D
	2	6	1	4	5	2	4	4	4	E
	3	6	1	4	5	4	4	4	5	E
MPC Recreational User	1	1	1	1	1	1	3	1	1	A
	2	1	1	1	1	1	3	1	1	A
	3	1	1	1	1	1	3	1	1	A
Indoor Worker	1	1	1	1	1	1	4	1	1	A
	2	1	1	1	1	1	4	1	1	A
	3	1	1	1	1	1	4	1	1	A
Student/Faculty	1	1	1	1	1	1	4	2	1	A
	2	1	1	1	1	1	4	2	1	A
	3	1	1	1	1	1	4	2	1	A

***Overall MEC Risk Scoring**

A = Lowest Risk
B = Low Risk
C = Medium Risk
D = High Risk
E = Highest Risk

Table 4-13. Parker Flats MRA Horse Park After-action Analysis Results

Receptor	MEC Hazard Type	MEC Depth Below Ground Surface	Migration/ Erosion Potential	Level of Intrusion	Accessibility Factor	MEC Density	Frequency of Entry	Intensity of Contact with Soil	Exposure Factor	Overall MEC Risk*
Horse Park Trespasser	1	6	1	2	3	1	2	3	1	A
	2	6	1	2	3	1	2	3	1	A
	3	6	1	2	3	1	2	3	1	B
Construction Worker	1	6	1	5	5	4	4	4	5	D
	2	6	1	5	5	2	4	4	4	E
	3	6	1	5	5	2	4	4	4	E
Outdoor Maintenance Worker	1	6	1	4	5	3	4	4	5	D
	2	6	1	4	5	2	4	4	4	E
	3	6	1	4	5	2	4	4	4	E
RV Camper	1	1	1	1	1	1	4	3	1	A
	2	1	1	1	1	1	4	3	1	A
	3	1	1	1	1	1	4	3	1	A
Recreational Horseback Rider	1	6	1	2	3	1	4	4	1	A
	2	6	1	2	3	1	4	4	1	A
	3	6	1	2	3	1	4	4	1	B

***Overall MEC Risk Scoring**

A = Lowest Risk
B = Low Risk
C = Medium Risk
D = High Risk
E = Highest Risk

Table 4-14. MRS-13B Horse Park After-action Analysis Results

Receptor	MEC Hazard Type	MEC Depth Below Ground Surface	Migration/Erosion Potential	Level of Intrusion	Accessibility Factor	MEC Density	Frequency of Entry	Intensity of Contact with Soil	Exposure Factor	Overall MEC Risk*
Horse Park Trespasser	1	6	1	2	3	1	2	3	1	A
	2	6	1	2	3	1	2	3	1	A
	3	1	1	2	1	1	2	3	1	A
Construction Worker	1	6	1	5	5	3	4	4	5	D
	2	6	1	5	5	2	4	4	4	E
	3	1	1	5	1	1	4	4	1	A
Outdoor Maintenance Worker	1	6	1	4	5	3	4	4	5	D
	2	6	1	4	5	2	4	4	4	E
	3	1	1	4	1	1	4	4	1	A
RV Camper	1	1	1	1	1	1	4	3	1	A
	2	1	1	1	1	1	4	3	1	A
	3	1	1	1	1	1	4	3	1	A
Recreational Horseback Rider	1	6	1	2	3	1	4	4	1	A
	2	6	1	2	3	1	4	4	1	A
	3	1	1	2	1	1	4	4	1	A

***Overall MEC Risk Scoring**

A = Lowest Risk
B = Low Risk
C = Medium Risk
D = High Risk
E = Highest Risk

Table 4-15. Parker Flats MRA Habitat Reserve After-action Analysis Results

Receptor	MEC Hazard Type	MEC Depth Below Ground Surface	Migration/ Erosion Potential	Level of Intrusion	Accessibility Factor	MEC Density	Frequency of Entry	Intensity of Contact with Soil	Exposure Factor	Overall MEC Risk*
Habitat Reserve Trespasser	1	1	1	2	1	1	3	3	1	A
	2	1	1	2	1	1	3	3	1	A
	3	1	1	2	1	1	3	3	1	A
Construction Worker	1	6	1	5	5	4	4	4	5	D
	2	6	1	5	5	3	4	4	5	E
	3	6	1	5	5	2	4	4	4	E
Habitat Reserve Recreational User	1	1	1	2	1	1	4	2	1	A
	2	1	1	2	1	1	4	2	1	A
	3	1	1	2	1	1	4	2	1	A
Habitat Monitor	1	1	1	1	1	1	4	4	1	A
	2	1	1	1	1	1	4	4	1	A
	3	1	1	1	1	1	4	4	1	A
Habitat Worker	1	6	1	3	5	4	4	4	5	D
	2	6	1	3	5	2	4	4	4	E
	3	6	1	3	5	2	4	4	4	E

***Overall MEC Risk Scoring**

A = Lowest Risk
B = Low Risk
C = Medium Risk
D = High Risk
E = Highest Risk

Table 4-16. Veterans Cemetery After-action Analysis Results

Receptor	MEC Hazard Type	MEC Depth Below Ground Surface	Migration/ Erosion Potential	Level of Intrusion	Accessibility Factor	MEC Density	Frequency of Entry	Intensity of Contact with Soil	Exposure Factor	Overall MEC Risk*
Veterans Cemetery Trespasser	1	1	1	1	1	1	2	3	1	A
	2	1	1	1	1	1	2	3	1	A
	3	1	1	1	1	1	2	3	1	A
Construction Worker	1	6	1	5	5	4	4	4	5	D
	2	6	1	5	5	3	4	4	5	E
	3	6	1	5	5	3	4	4	5	E
Outdoor Maintenance Worker	1	6	1	4	5	3	4	4	5	D
	2	6	1	4	5	2	4	4	4	E
	3	6	1	4	5	2	4	4	4	E
Cemetery Recreational User	1	1	1	1	1	1	1	1	1	A
	2	1	1	1	1	1	1	1	1	A
	3	1	1	1	1	1	1	1	1	A
Cemetery Worker	1	6	1	5	5	4	4	4	5	D
	2	6	1	5	5	3	4	4	5	E
	3	6	1	5	5	3	4	4	5	E
Cemetery Visitor	1	1	1	1	1	1	4	1	1	A
	2	1	1	1	1	1	4	1	1	A
	3	1	1	1	1	1	4	1	1	A

***Overall MEC Risk Scoring**

A = Lowest Risk
B = Low Risk
C = Medium Risk
D = High Risk
E = Highest Risk

Table 4-17. Parker Flats MRA Development Reserve After-action Analysis Results

Receptor	MEC Hazard Type	MEC Depth Below Ground Surface*	Migration / Erosion Potential	Level of Intrusion	Accessibility Factor	MEC Density	Frequency of Entry	Intensity of Contact with Soil	Exposure Factor	Overall MEC Risk**
Development Reserve Trespasser	1	1	1	1	1	1	1	1	1	A
	2	1	1	1	1	1	1	1	1	A
	3	1	1	1	1	1	1	1	1	A
Construction Worker	1	6	1	5	5	4	4	4	5	D
	2	6	1	5	5	3	4	4	5	E
	3	6	1	5	5	4	4	4	5	E
Outdoor Maintenance Worker	1	6	1	4	5	4	4	4	5	D
	2	6	1	4	5	2	4	4	4	E
	3	6	1	4	5	2	4	4	4	E
Development Reserve Recreational User	1	1	1	2	1	1	4	1	1	A
	2	1	1	2	1	1	4	1	1	A
	3	1	1	2	1	1	4	1	1	A
Indoor Worker	1	1	1	1	1	1	4	1	1	A
	2	1	1	1	1	1	4	1	1	A
	3	1	1	1	1	1	4	1	1	A
Adult/ Child Resident	1	6	1	4	5	4	4	2	5	D
	2	6	1	4	5	2	4	2	2	C
	3	6	1	4	5	2	4	2	2	D

* No MEC items were found on the surface in the Parker Flats MRA Development Reserve

****Overall MEC Risk Scoring**

A = Lowest Risk

B = Low Risk

C = Medium Risk

D = High Risk

E = Highest Risk

Table 4-18. MRS-13B Development Reserve After-action Analysis Results

Receptor	MEC Hazard Type	MEC Depth Below Ground Surface*	Migration / Erosion Potential	Level of Intrusion	Accessibility Factor	MEC Density	Frequency of Entry	Intensity of Contact with Soil	Exposure Factor	Overall MEC Risk**
Development Reserve Trespasser	1	1	1	1	1	1	1	1	1	A
	2	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
	3	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
Construction Worker	1	6	1	5	5	4	4	4	5	D
	2	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
	3	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
Outdoor Maintenance Worker	1	6	1	4	5	4	4	4	5	D
	2	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
	3	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
Development Reserve Recreational User	1	1	1	2	1	1	4	1	1	A
	2	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
	3	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
Indoor Worker	1	1	1	1	1	1	4	1	1	A
	2	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
	3	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
Adult/ Child Resident	1	6	1	4	5	4	4	2	5	D
	2	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
	3	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***

* No MEC items were found on the surface in the MRS-13B Development Reserve

****Overall MEC Risk Scoring**

A = Lowest Risk

B = Low Risk

C = Medium Risk

D = High Risk

E = Highest Risk

***NA – Not Applicable because no MEC Hazard Type 2 or 3 items were found in the MRS-13B Development Reserve.

Table 4-19. MST Park and Ride After-action Analysis Results

Receptor	MEC Hazard Type	MEC Depth Below Ground Surface	Migration / Erosion Potential	Level of Intrusion	Accessibility Factor	MEC Density	Frequency of Entry	Intensity of Contact with Soil	Exposure Factor	Overall MEC Risk*
MST Park and Ride Trespasser	1	1	1	1	1	1	3	1	1	A
	2	1	1	1	1	1	3	1	1	A
	3	1	1	1	1	1	3	1	1	A
Construction Worker	1	6	1	5	5	3	4	4	5	D
	2	6	1	5	5	2	4	4	4	E
	3	6	1	5	5	1	4	4	1	C
MST Park and Ride Recreational User	1	1	1	1	1	1	1	1	1	A
	2	1	1	1	1	1	1	1	1	A
	3	1	1	1	1	1	1	1	1	A
Indoor Worker	1	1	1	1	1	1	4	1	1	A
	2	1	1	1	1	1	4	1	1	A
	3	1	1	1	1	1	4	1	1	A
Public Facility Visitor	1	1	1	1	1	1	4	1	1	A
	2	1	1	1	1	1	4	1	1	A
	3	1	1	1	1	1	4	1	1	A

***Overall MEC Risk Scoring**

A = Lowest Risk
B = Low Risk
C = Medium Risk
D = High Risk
E = Highest Risk

Table 4-20. MST Maintenance Center After-action Analysis Results

Receptor	MEC Hazard Type	MEC Depth Below Ground Surface*	Migration / Erosion Potential	Level of Intrusion	Accessibility Factor	MEC Density	Frequency of Entry	Intensity of Contact with Soil	Exposure Factor	Overall MEC Risk**
MST Maintenance Center Trespasser	1	1	1	1	1	1	3	1	1	A
	2	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
	3	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
Construction Worker	1	6	1	5	5	1	4	4	1	B
	2	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
	3	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
MST Maintenance Center Recreational User	1	1	1	1	1	1	1	1	1	A
	2	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
	3	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
Indoor Worker	1	1	1	1	1	1	4	1	1	A
	2	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***
	3	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***	NA***

* No MEC items were found on the surface in the MST Maintenance Center

****Overall MEC Risk Scoring**

A = Lowest Risk

B = Low Risk

C = Medium Risk

D = High Risk

E = Highest Risk

***NA – Not Applicable because no MEC Hazard Type 2 or 3 items were found in the MST Maintenance Center.

5.0 Uncertainty

The following discussion describes uncertainties related to data, input scores, and land use.

5.1. Data Uncertainties

5.1.1. Detector Efficiency

All geophysical detection instruments have limitations. The Schonstedt GA-52/Cx limitations include its inability to detect non-ferrous items. Also, the detection capability diminishes with increasing distance from the instrument (e.g., increasing depth below ground surface). The uncertainties with the surveys and removals performed using this instrument detector are that non-ferrous MEC items may potentially remain at the site, as well as the potential for MEC items to remain at depth.

5.1.2. Detection Efficiency

The detection efficiency was used to help select the appropriate risk input scores for the depth and density of MEC potentially remaining at Parker Flats MRA. The detection efficiency was determined in a controlled test in which known items were 'seeded' in a test area. The procedures used in the test differed from the procedures used in the field surveys. For that reason, the following discussion elaborates on procedures used in the test versus the field implementation methods, to provide a context for the comparison of the equipment efficiency derived from the ODDS Seeded Test and other seed data, to actual field implementation procedures.

The equipment detection efficiency is based on the ODDS Seeded Test, supplemented by seed data from other sites where sufficient data were not available from the ODDS. In the ODDS, items were seeded to depths deeper than that expected based on the mode of deployment. Each detected anomaly was flagged and the flag locations assessed for accuracy against the known seeded item locations. If the flag was within a specified radius (1.6 feet and 3.2 feet) of the seeded anomaly, the flag was scored as a positive identification of the anomaly. No excavation was conducted as part of this effort.

During field implementation at Parker Flats MRA, anomalies detected using a Schonstedt GA-52/Cx instrument were investigated by excavating using the instrument to guide the excavation, thus refining and improving the effectiveness of pinpointing subsurface items. A contractor Quality Control Officer resurveyed 10% of each grid; and USACE personnel typically resurveyed 10% of each grid. The process used at the Parker Flats MRA during the removal actions should achieve a higher detection efficiency and subsequent removal efficiency because the removals were performed until all anomalies were resolved.

Data from investigations on other sites at Fort Ord were sought to provide a context for assessing the relevance and applicability of the ODDS results. Specifically, an investigation at another Fort Ord site was reviewed to provide insight into the performance of the ferrous-only detecting instruments compared to the non-ferrous detecting instruments. The 33-acre Munitions Response Site, Monterey County Site 2 (MRS MOCO.2) was subjected to a 100% survey and removal using the Schonstedt GA-52/Cx magnetometer from 2003 to 2004, using similar procedures to the Parker Flats study. The results of the Schonstedt surveys are summarized as:

- 551 MEC items removed (including 5 high explosive (HE) items)
- 1493 lbs of munitions debris were removed
- 457 of the 551 MEC items were found in the 20 burial pits discovered
- 32 of 33 seeded QC items were found (97% detection efficiency) and 19 of 20 QA-seeded simulation items were recovered (95% detection efficiency). The Quality Control/Quality Assurance (QC/QA) items were seeded to depths ranging from 1 to 14 inches.

The one QC-seeded item that was not recovered was a MKII practice hand grenade seeded to a depth of 10 inches. The lack of detection is attributed to the low mass of ferrous material in the hand grenade and the depth of the item. It should be noted there were 7 hand grenades seeded at depths of 7 to 12 inches in the QC/QA simulation. Of these, six were detected, including two at depths greater than 10 inches. This contrasts with the 1 in 5 hand grenades detected during the ODDS Seeded Test in the 7- to 12-inch depth interval. The difference in detection efficiency may be partially attributed to procedural differences in the approach for the MOCO.2 QC/QA test compared to the ODDS protocol. The MOCO.2 QC/QA test seeds were placed in the actual site area surveyed, and they were investigated by using the detection instrument to guide excavation, similar to the field procedures used at the Parker Flats MRA. In the ODDS, recovery was not conducted.

Subsequently the MOCO.2 area was surveyed using digital, non-ferrous detection instruments. A combination of individually operated and towed array EM61-MK2 electromagnetic metal detectors and G-858 magnetometers were used. This survey produced 7 MEC items and 43 lbs of munitions debris. (Draft Final Technical Information Paper Non-Time Critical Removal Action MRS-MOCO.2 (Phase 1), Parsons, June 2004.) Based on the total number of items detected, the percent detection efficiency of the Schonstedt survey is 93%, discounting for the items found in pits³. It should also be noted that the MOCO.2

³ There were 94 items detected by the Schonstedt instrument that were not denoted as being in a pit out of the 551 items total detected by Schonstedt instruments. An additional 7 items were detected using the EM61 detector. The detection efficiency calculated using this set of data is 94 items detected out of a total 101 items found, which is 93%.

field survey utilized a 3-foot search lane compared to the 5-foot search lanes used in the Parker Flats MRA surveys.

Several factors increase the variance in the percent detection and MEC density calculations:

- A small sample size was used in determining the detection efficiencies. Because small sample sizes are associated with large variances, the actual detection efficiencies and MEC densities could be far higher or far lower than the estimates.
- The location of MEC items identified in the Parker Flats MRA indicates a heterogeneous distribution of items, which may increase the variability.
- The detection efficiencies were extrapolated from studies performed in several settings at locations outside of the Parker Flats MRA. These locations will have different physical properties than Parker Flats MRA and will increase the variability associated with the detection efficiencies.
- The detection efficiencies for different items from the studies were combined to determine the average detection efficiency for those items not included in the seeded studies.
- The detection efficiencies from some items were extrapolated to other items with similar characteristics; however, the detection efficiencies cannot be considered exact matches for those items.
- As discussed in Section 3.5.2.2 of Volume I: Remedial Investigation, there are limitations in the use of Schonstedt magnetometers. These limitations may increase the uncertainty of the density calculations.

Given these factors, the MEC Density calculations may be higher or lower than the numbers provided in Tables 4-1 and 4-2.”

In summary, although the methodology of the ODDS Seeded Test is not identical to the field method used for the geophysical investigation, overall the ODDS Seeded Test and supplementary seed studies used in the RI equipment evaluation are considered conservative in estimating the detection efficiency achieved in the field.

5.1.3. Uncertainties of the Calculation of MEC Density

As discussed earlier, the determination of the MEC Density is an estimate of the items potentially not detected by the detection equipment. The back-calculation of the potential MEC present after the removal using a percent detection value is not a definitive method for precisely determining MEC density. The purpose of calculating a potential residual density is to estimate a MEC Density input factor of high, medium, or low, as it relates to risk of exposure, not to conclude the actual number of items which may or may not be on the site.

The percent detection values were developed from available and relevant equipment performance data. However, the equipment performance data available do not provide a statistically sound basis for determining a Pd. The number of data points is limited, increasing the variance of the data set. Developing a data set sufficient for statistical application would require an extensive study of equipment performance for each type of MEC item found at the site at each depth interval. The value of such a study is questionable given that only two numbers of MEC Density have an affect on the risk score (i.e., less than 0.1 items per acre gives a score of low and greater than 1.0 items per acre gives a score of high). The purpose of the risk score is to characterize and estimate the potential risk sufficiently for the evaluation of feasibility study alternatives, such as the selection of institutional controls. Therefore, although not statistically defensible, the mathematical calculation of potential residual MEC density is considered adequate to provide a theoretical estimate of the number of MEC items for use in assessing exposure and the potential change in exposure.

Also, the estimate of MEC density in deeper intervals after-action is likely overestimated. This is caused by using equipment performance data collected on items seeded at depths exceeding those anticipated for that type of item. For example, the maximum penetration depth anticipated for 60-mm projectiles is 1.2 inches (See RI equipment evaluation table). Four 60-mm projectiles were seeded at depths greater than 12 inches as a conservative test of the equipment performance. None of these items were detected. This equipment performance data was consolidated with the other detection results to produce an aggregate Pd for the greater than 12-inch depth interval. The risk assessment approach currently applies this aggregate Pd to all MEC types for which a unique Pd is unavailable (e.g., 'other' MEC). When used in the back-calculation of MEC, the result is a higher estimate of residual MEC density.

The exclusion of items found in burial pits adds to the uncertainty in the potential residual density. The data used to calculate detection efficiency is not applicable to burial pits in the estimation of potential residual density at Parker Flats because the ability to detect multiple items in a single location is higher than the ability to detect one seeded item. The field procedure was to continue using the detection instruments as excavations proceeded for all detected items, resulting in better performance than demonstrated in the controlled studies for single seeded items. The increased amount of metal items at pit locations would increase detection ability above what was determined from the seeded tests; therefore, potential for residual burial pits is significantly lower than the potential for residual single items. Because of the factors addressed above, the removal of items detected in pits from the calculation of potential residual densities is considered appropriate.

The distribution of MEC and MD at Parker Flats MRA does not exhibit the patterned characteristics of a target range with identifiable and consistently-used targets, due to multiple uses over many years. This lack of a distinct pattern of

distribution of MEC increases the uncertainty in calculation of potential residual density.

It should be noted that the theoretical potential after-action MEC Densities in the various reuse areas within the depth intervals of interest, varied from 3.5 items per acre to 0.003 items per acre, with many values an order of magnitude below the lowest number used to determine a MEC Density score (0.1 items per acre). In addition, the potential residual MEC Density in the depth interval closest to the surface has been reduced significantly as evidenced by the volume of items removed coupled with the higher detection efficiencies in the near-surface intervals. According to the RI/FS Section 3.4.3, most of the MEC and MD items should have been located in the top one to two feet of the soil based on the mode of deployment. Therefore, for the receptors intruding deeper than one-foot (e.g., construction workers), the majority of the MEC items would have been removed (from the top 2 feet) and the resulting Overall MEC Risk, based on the potential residual MEC Density, is likely overestimated.

In summary the decrease in risk is not sufficiently reflected in the scoring due to the uncertainty in the data as the Depth Below Ground Surface increases.

5.2. Uncertainties for Additional Input Factors

This section discusses the potential uncertainties and the resulting change in the Overall MEC Risk for each of the input factors used to determine the risk at the Parker Flats MRA, except for MEC Density, which is discussed in Section 5.1.

5.2.1. Depth Below Ground Surface Uncertainties

In general, the Depth Below Ground Surface of the MEC items found at the site is a simple score for the baseline analysis of the MEC risk. However, for MRS-13B, 82 out of 129 of the findings reported from the survey and removal did not have a depth given in the records. Depths were assumed for this risk assessment by determining the range of depths that MEC and MD items were found at MRS-13B and at comparable MR sites, including MRS-13C, MRS-37, MRS-50, MRS-50EXP, MRS-54, and MRS-55. These sites were chosen based on the types of items found during survey and removal activities and based on similar historical uses and terrain. As discussed in Section 2.2, the number of items found in each depth interval were counted and a percentage was applied to the items in MRS-13B without recorded depths to determine a depth interval. If only one or two items were found in MRS-13B without recorded depth, the depth interval was applied based on the median depth. Table 2-2 gives the depth distribution for specific MEC items used to assume depths for the items in MRS-13B. The depth of burial pits was determined by counting the number of burial pits in each interval of MRS-13B and applying an interval based on the percent distribution. Attachment B shows the range of depths used for the items without a recorded depth below ground surface.

Additional complications arise when attempting to score this input factor for the after-action analysis. This analysis assumed a score of 6 (MEC \geq 1 foot bgs) for all areas where receptors were expected to intrude below the ground surface. Because sufficient data was available to determine whether items were present below the surface in the baseline scenario for MRS-13B, the score of 6 is applicable, and the effect of the missing depth information is negligible. Considering the discussion of data uncertainties in Section 5.1 (MEC Density), the actual depth of any potential MEC items, which may be none, is impossible to determine. This score overestimates the likely depth of any potential MEC items, and therefore, overestimates the Overall MEC Risk.

A MEC Depth score of 6 was chosen for the after action scenario for all of the areas having a receptor with a Level of Intrusion greater than one foot bgs. A MEC Depth score of 6 describes an area where “any MEC items remaining at the site are at a depth of 1 foot or greater.” This approach likely overstates the risk because no anomalies were left uninvestigated by USA Environmental within the Parker Flats MRA.

5.2.2. Migration/Erosion Potential Uncertainties

The Universal Soil Loss Equation is used to derive the number of inches per year of erosion is expected at the Parker Flats MRA. The uncertainty in using this calculation to determine the level of erosion involves the changes in land surface due to human activities at the site. It is possible that the erosion potential in specific areas of the Parker Flats MRA is higher than this estimate, which could increase the Overall MEC Risk. However, Migration/Erosion Potential was found to be only a modifying factor in the development of the Protocol, so it is assumed that the change in the risk score would be minor.

5.2.3. Level of Intrusion Uncertainties

The Level of Intrusion and the Depth Below Ground Surface input factors are closely related in the scoring of the Overall MEC Risk. Specifically, the Accessibility Factor depends on the depth between the level of intrusion and the shallowest MEC item expected on the site. As the interval between the Level of Intrusion and Depth Below Ground Surface decreases less than one foot, the Accessibility Factor score increases. This implicit one-foot buffer may overestimate the actual risk at the site, because in practice, the activities of a receptor may potentially not contact a MEC item even if the buffer is less than one foot. Therefore, if a receptor intrudes more than is assumed in this analysis, the Overall MEC Risk may or may not be underestimated. However, if a receptor does not intrude to the level assumed in this analysis, the Overall MEC Risk is overestimated.

Another consideration in the uncertainty of the Level of Intrusion scoring is the method used for intruding below the ground surface. If a receptor is using

mechanical equipment to dig at the site, in some cases, the risk may be greater than if the receptor is using hand tools. This would be because the mechanical equipment would reach a potential MEC item faster than a shovel and the pressure of an impact would be greater.

5.2.4. Frequency of Entry Uncertainties

An individual receptor is more likely to come in contact with a MEC item if they are at the site often than if they rarely go to the site. This factor is a measure of the number of times per year that the receptor will be in an area potentially containing MEC. It is difficult to estimate how often individual receptors will be in the former Parker Flats MRA. The Overall MEC Risk score increases with the Frequency of Entry. Therefore, if a receptor is at the site more times per year than assumed in this risk assessment, that is, if they have a higher Frequency of Entry, then the Overall MEC Risk for that receptor given in Section 4 may underestimate the actual risk. In the same way, if the receptor visits the site fewer times per year than assumed in this analysis, the Overall MEC Risk score may be lower than what is shown in Section 4.

5.2.5. Intensity of Contact with Soil Uncertainties

For an individual receptor to come in contact with a MEC item, they will need to be in contact with the medium where the MEC is located. This factor is a measure of the length of time the receptor will have in contact with the exposure medium. It is difficult to estimate what the activities of the individual receptors will be in the future use of the Parker Flats MRA. The Overall MEC Risk score increases with the Intensity of Contact with Soil. Therefore, if a receptor spends more time in the area than assumed in this risk assessment, that is, if they have a higher Intensity of Contact with Soil, then the Overall MEC Risk for that receptor given in Section 4 may underestimate the actual risk. In the same way, if the receptor spends less time on the site than assumed in this analysis, the Overall MEC Risk score may be lower than what is shown in Section 4.

5.3. Overall MEC Risk Score Uncertainties

The uncertainties for the input factors discussed in Sections 5.1 and 5.2 may overestimate or underestimate the Overall MEC Risk score on an individual basis. Inputs to the risk protocol reflect the uncertainty regarding the density of MEC items remaining at the site. The MEC Density inputs are based on the MEC items found and the estimates of equipment detection efficiencies. The estimate of equipment detection efficiency is expected to be lower than the actual field detection efficiencies as described in Section 3.5.2.2 of Volume 1: Remedial Investigation. Page 67 of Volume 1: Remedial Investigation summarizes the reason that the detection efficiency was likely higher than that used in the Risk Assessment: the ODDS used a 1.6 foot search radius, over 163,000 excavations were performed as part of the removal action in Parker Flats MRA, the Schonstedt is capable of detecting 37mm better than the detection efficiency

numbers as demonstrated at MOCO.2, and typical depth distribution of the items are shallower than the ordnance depth distribution used in ODDS.

Although all MEC items found during the 100% survey of Parker Flats were removed, the after-action risk results for receptors with a Level of Intrusion greater than one foot below ground surface are the same as the baseline risk in 7 of the 9 reuse areas. In other words, the reduction in risk from removing the MEC items found during the survey of 100% of the area is not reflected in risk score. The fact that the risk reduction provided by the removal action often is not reflected in the risk scores is an indication of the conservative nature of the risk protocol in characterizing the potential remaining MEC risk at the site. Therefore, in the opinion of the Army, the risk results provide a conservative profile of the potential risk remaining at Parker Flats MRA.

6.0 Conclusions

Tables 6-1 through 6-9 provide a summary of the Overall MEC Risk results for the baseline and after-action analysis of the Parker Flats MRA. The worst-case risk score is highlighted and bold for each receptor.

The Monterey County Public Facilities, CSUMB Expansion Area, and the MRS-13B Habitat Reserve had no MEC items found during the survey and removal activities. These areas would be considered low risk using the Protocol because the density and depth input factors would be negligible. Overall risk scores were not applied to these areas because no data was available to support the presence of MEC in the areas.

The Army Maintenance Center was not surveyed during the MEC survey and removal for MRS-13B. The site was paved in the 1970s and has been developed since that time. The Protocol was not applied to this site because there is no data to support MEC presence. The Army Maintenance Center is expected to have a low risk if no intrusive activities occur and an increased risk if intrusive activities are conducted.

In general, the Overall MEC Risk decreases between the baseline and the after-action scenarios. The exception is the Overall MEC Risk for the receptors intruding below one foot, which typically does not change between the baseline and after-action scenarios unless the only items found were in burial pits. The uncertainty in the data set available to determine a Pd for depths greater than one foot is discussed in Section 5. The removal action was designed to address MEC at a depth of four feet below the ground surface; however, however, the USACE UXO safety specialist was consulted with on a case-by-case basis for approval to investigate all anomalies at depths greater than four feet. Therefore, it is possible that the Pd for removal at depths greater than four feet bgs are better than the ones calculated for this risk assessment. Where items were only found in burial pits, these items are not used in calculating the potential residual density, as discussed in Section 2.4.1, and the after action analysis shows a change from the baseline analysis (e.g., construction worker and outdoor maintenance worker in the MST Park and Ride, and the MST Maintenance Center). Because over 14,000 MEC and MD items were removed from the Parker Flats MRA, the potential for someone to come into contact with a MEC item and disturb the item such that it functions is much lower in the after-action scenario. If items do remain at Parker Flats, it is likely that they are below the ground surface. Therefore, as seen in Tables 6-1 through 6-9, the risk for receptors performing intrusive activities (e.g., construction worker) remains high. Those receptors with deeper intrusion depths will be exposed to fewer items in the upper portion of the soil column in the after action scenario, which should reduce the risk to the receptors. However, the Overall MEC Risk letter score does reflect this change in risk between the two scenarios. The uncertainties

associated with the Overall MEC Risk scores more likely result in an overestimate of the actual risk as described in Section 5.3.

Table 6-1. MPC EVOC Summary Results

Receptor	Baseline Analysis			After-Action Analysis		
	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3
MPC EVOC Trespasser	D	E	E	A	A	A
Construction Worker	D	E	E	D	E	E
Outdoor Maintenance Worker	D	E	E	D	E	E
MPC EVOC Recreational User	D	E	E	A	A	A
Indoor Worker	D	C	C	A	A	A
Student/Faculty	D	C	C	A	A	A

Overall MEC Risk Scoring: A = Lowest Risk; B = Low Risk; C= Medium Risk; D = High Risk;
E = Highest Risk

Table 6-2. Parker Flats MRA Horse Park Summary Results

Receptor	Baseline Analysis			After-Action Analysis		
	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3
Horse Park Trespasser	D	E	E	A	A	B
Construction Worker	D	E	E	D	E	E
Outdoor Maintenance Worker	D	E	E	D	E	E
RV Camper	D	D	D	A	A	A
Recreational Horseback Rider	D	E	E	A	A	B

Overall MEC Risk Scoring: A = Lowest Risk; B = Low Risk; C= Medium Risk; D = High Risk;
E = Highest Risk

Table 6-3. MRS-13B Horse Park Summary Results

Receptor	Baseline Analysis			After-Action Analysis		
	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3
Horse Park Trespasser	D	E	E	A	A	A
Construction Worker	D	E	E	D	E	A
Outdoor Maintenance Worker	D	E	E	D	E	A
RV Camper	D	D	D	A	A	A
Recreational Horseback Rider	D	E	E	A	A	A

Overall MEC Risk Scoring: A = Lowest Risk; B = Low Risk; C= Medium Risk; D = High Risk;
E = Highest Risk

Table 6-4. Parker Flats MRA Habitat Reserve Summary Results

Receptor	Baseline Analysis			After-Action Analysis		
	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3
Habitat Reserve Trespasser	D	E	E	A	A	A
Construction Worker	D	E	E	D	E	E
Habitat Reserve Recreational User	D	E	D	A	A	A
Habitat Monitor	D	E	E	A	A	A
Habitat Worker	D	E	E	D	E	E

Overall MEC Risk Scoring: A = Lowest Risk; B = Low Risk; C= Medium Risk; D = High Risk;
E = Highest Risk

Table 6-5. Veterans Cemetery Summary Results

Receptor	Baseline Analysis			After-Action Analysis		
	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3
Veterans Cemetery Trespasser	D	E	E	A	A	A
Construction Worker	D	E	E	D	E	E
Outdoor Maintenance Worker	D	E	E	D	E	E
Cemetery Recreational User	D	E	E	A	A	A
Cemetery Worker	D	E	E	D	E	E
Cemetery Visitor	C	C	C	A	A	A

Overall MEC Risk Scoring: A = Lowest Risk; B = Low Risk; C= Medium Risk; D = High Risk;
E = Highest Risk

Table 6-6. Parker Flats MRA Development Reserve Summary Results

Receptor	Baseline Analysis			After-Action Analysis		
	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3
Development Reserve Trespasser	D	D	E	A	A	A
Construction Worker	D	E	E	D	E	E
Outdoor Maintenance Worker	D	E	E	D	E	E
Development Reserve Recreational User	D	C	E	A	A	A
Indoor Worker	B	C	C	A	A	A
Adult/Child Resident	D	C	E	D	C	D

Overall MEC Risk Scoring: A = Lowest Risk; B = Low Risk; C= Medium Risk; D = High Risk;

E = Highest Risk

*NA – Not Applicable, no MEC Hazard Type 3 items were found in the Parker Flats MRA Development Reserve.

Table 6-7. MRS-13B Development Reserve Summary Results

Receptor	Baseline Analysis			After-Action Analysis		
	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3
Development Reserve Trespasser	D	NA*	NA*	A	NA*	NA*
Construction Worker	D	NA*	NA*	D	NA*	NA*
Outdoor Maintenance Worker	D	NA*	NA*	D	NA*	NA*
Development Reserve Recreational User	D	NA*	NA*	A	NA*	NA*
Indoor Worker	B	NA*	NA*	A	NA*	NA*
Adult/Child Resident	D	NA*	NA*	D	NA*	NA*

Overall MEC Risk Scoring: A = Lowest Risk; B = Low Risk; C= Medium Risk; D = High Risk;

E = Highest Risk

*NA – Not Applicable, no MEC Hazard Type 2 or 3 items were found in the MRS 13 B Development Reserve.

Table 6-8. MST Park and Ride Summary Results

Receptor	Baseline Analysis			After-Action Analysis		
	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3
MST Park and Ride Trespasser	D	E	E	A	A	A
Construction Worker	D	E	E	D	E	C
MST Park and Ride Recreational User	D	C	D	A	A	A
Indoor Worker	D	C	C	A	A	A
Public Facility Visitor	D	C	C	A	A	A

Overall MEC Risk Scoring: A = Lowest Risk; B = Low Risk; C= Medium Risk; D = High Risk;
E = Highest Risk

Table 6-9. MST Maintenance Center Summary Results

Receptor	Baseline Analysis			After-Action Analysis		
	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3
MST Maintenance Center Trespasser	D	NA*	NA*	A	NA*	NA*
Construction Worker	D	NA*	NA*	B	NA*	NA*
MST Maintenance Center Recreational User	C	NA*	NA*	A	NA*	NA*
Indoor Worker	B	NA*	NA*	A	NA*	NA*

Overall MEC Risk Scoring: A = Lowest Risk; B = Low Risk; C= Medium Risk; D = High Risk;
E = Highest Risk

*NA – Not Applicable, no MEC Hazard Type 2 or 3 items were found in the MST Maintenance Center.

7.0 References

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ATTACHMENT A
RISK ASSESSMENT THEORY

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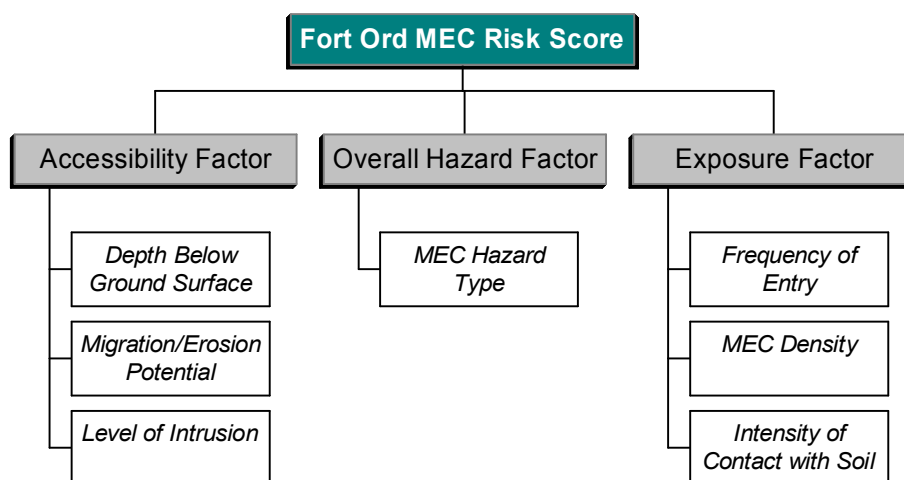
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Attachment A – Risk Assessment Theory

1.0 General Overview

The Fort Ord MEC Risk Assessment Protocol (Malcolm Pirnie, 2002) is a qualitative risk assessment approach based on seven input factors. The input factors are both qualitative and quantitative. Two process matrices combine six of the input factors into scores for Accessibility and Exposure. A third process matrix combines the scores for Accessibility, Exposure, and Overall Hazard (the seventh input factor) into a single qualitative score for estimating MEC Risk. The seven input factors are shown in Figure 1 below.

Figure 1. Fort Ord MEC Risk Assessment



2.0 Definition of Input Factors and Assumptions

The following sections provide each of the input factors and the matrices used to determine an Overall MEC Risk score. For more information on the scoring process, please refer to the *Fort Ord Ordnance and Explosives (OE) Risk Assessment Protocol* (Malcolm Pirnie, 2002).

2.1. Accessibility Factor

The Accessibility Factor reflects how likely it is that the MEC items in the area are accessible by considering the three input factors as describe here. Depth below ground surface (Table A-1) refers to the minimum depth of a MEC item below the surface, while, level of intrusion (Table A-2) considers the depth of soil intrusion for proposed activities, and migration/erosion potential (Table A-3) examines whether the depth of a MEC item will change from soil movement. A score is assigned for each of the three input factors using well-defined, set criteria, and then a scoring matrix combines the three input factors to produce a score for the accessibility factor.

The following tables identify the scoring for each of the input factors used to determine the Accessibility Factor.

Table A-1. Depth Below Ground Surface

Score	Description ^{(a) (b) (c)}
1	100% of detected MEC removed considering data quality for the area (d)
2	MEC > 5 feet bgs
3	MEC > 4 feet bgs
4	MEC > 3 feet bgs
5	MEC > 2 feet bgs
6	MEC > 1 feet bgs
7	No MEC on the surface and MEC below surface
8	Any MEC on surface
Notes: ^(a) The shallowest MEC item found determines the Depth Below Ground Surface for the area. ^(b) If significant uncertainty exists about the depth of the MEC item, it may be appropriate to assign the next highest score. ^(c) Depth should be based on actual field measurements of MEC items found. ^(d) Detection and removal procedures meeting the DQOs for the area based on clearly defined investigational objectives including reuse and the detection of designated MEC. If DQOs have not been established for the area, the quality of data should be approved by the BCT to score a '1'.	

Table A-2. Level of Intrusion

Score	Description ^{(a) (b)}
1	Non-Intrusive: Activity on the ground surface, none below the surface
2	Minor Intrusions: Activity on ground surface and ground disturbances to a depth of one foot bgs
3	Moderate Intrusions: Ground disturbances to a depth of two feet bgs
4	Significant Intrusions: Ground disturbances to a depth of four feet bgs
5	Highly Intrusive: Ground disturbances greater than four feet bgs
Notes: ^(a) The deepest intrusion level expected for a given reuse determines the Intrusion Level of Activity for the area. ^(b) If significant uncertainty exists about the depth of intrusion, it may be appropriate to assign the next higher score.	

Table A-3. Migration/Erosion Potential

Score	Description ^(a)
1	Very Stable: MEC will not migrate. Annual erosion is equal to or less than the site-wide average of 3/100 inches.
2	Minor Migration: Recurring and extreme natural events may cause MEC to migrate upward, potentially reaching the intrusion level, over a long period of time (more than two five-year reviews). Annual erosion is greater than the average site-wide condition but less than one inch. ^(b)
3	Significant Migration: Recurring and extreme natural events will bring MEC to the surface within the first recurring review. Annual erosion is more than one inch. ^(c)
Notes: ^(a) The Migration/Erosion Factor should consider the potential for change in depth of a MEC item due to erosion. The presence of human activities, streams, gullies, or steep slopes in an area may require a more thorough investigation of the potential for erosion. ^(b) Average annual site-wide erosion potential is 3/100 inches. ^(c) Significant erosion at Fort Ord will likely be limited to areas disturbed by human activity, such as roads or firebreaks.	

The Accessibility score is determined using the qualitative scoring matrix given in Table A-4.

Table A-4. Accessibility Factor Scoring Matrix ^(a)

Depth Below Ground Surface	Level of Intrusion	Migration/Erosion Potential		
		1. Very Stable	2. Minor Migration	3. Significant Migration
1. 100% of detected MEC removed considering data quality for the area	1. Non-Intrusive (surface only)	1	1	1
	2. Minor Intrusion (<1 foot bgs)	1	1	1
	3. Moderate Intrusion (<2 feet bgs)	1	1	1
	4. Significant Intrusion (<4 feet bgs)	1	1	1
	5. Highly Intrusive (>4 feet bgs)	1	1	1
2. MEC > 5 feet bgs	1. Non-Intrusive (surface only)	1	1	1
	2. Minor Intrusion (<1 foot bgs)	1	1	1
	3. Moderate Intrusion (<2 feet bgs)	1	1	1
	4. Significant Intrusion (<4 feet bgs)	1	2	3
	5. Highly Intrusive (>4 feet bgs)	3	3	4
3. MEC > 4 feet bgs	1. Non-Intrusive (surface only)	1	1	1
	2. Minor Intrusion (<1 foot bgs)	1	1	1
	3. Moderate Intrusion (<2 feet bgs)	1	1	2
	4. Significant Intrusion (<4 feet bgs)	3	3	4
	5. Highly Intrusive (>4 feet bgs)	5	5	5
4. MEC > 3 feet bgs	1. Non-Intrusive (surface only)	1	1	1
	2. Minor Intrusion (<1 foot bgs)	1	1	2
	3. Moderate Intrusion (<2 feet bgs)	1	2	3
	4. Significant Intrusion (<4 feet bgs)	5	5	5
	5. Highly Intrusive (>4 feet bgs)	5	5	5
5. MEC > 2 feet bgs	1. Non-Intrusive (surface only)	1	1	3
	2. Minor Intrusion (<1 foot bgs)	1	2	3
	3. Moderate Intrusion (<2 feet bgs)	3	3	4
	4. Significant Intrusion (<4 feet bgs)	5	5	5
	5. Highly Intrusive (>4 feet bgs)	5	5	5
6. MEC > 1 foot bgs	1. Non-Intrusive (surface only)	1	2	3
	2. Minor Intrusion (<1 foot bgs)	3	3	4
	3. Moderate Intrusion (<2 feet bgs)	5	5	5
	4. Significant Intrusion (<4 feet bgs)	5	5	5
	5. Highly Intrusive (>4 feet bgs)	5	5	5
7. No MEC on the surface and MEC below surface	1. Non-Intrusive (surface only)	4	5	5
	2. Minor Intrusion (<1 foot bgs)	5	5	5
	3. Moderate Intrusion (<2 feet bgs)	5	5	5
	4. Significant Intrusion (<4 feet bgs)	5	5	5
	5. Highly Intrusive (>4 feet bgs)	5	5	5
8. Any MEC on the surface	1. Non-Intrusive (surface only)	5	5	5
	2. Minor Intrusion (<1 foot bgs)	5	5	5
	3. Moderate Intrusion (<2 feet bgs)	5	5	5
	4. Significant Intrusion (<4 feet bgs)	5	5	5
	5. Highly Intrusive (>4 feet bgs)	5	5	5
Notes: ^(a) Accessibility Factor scores are defined as:		3. May Be Accessible		
1. Least Potential for Accessibility		4. Likely to be Accessible		
2. Not Likely to be Accessible		5. Greatest Potential for Accessibility		

2.2. Exposure Factor

The exposure factor assesses how likely it is that someone will be exposed to the MEC item if they are in the area by considering the following three input factors: MEC density, intensity of contact with soil, and frequency of entry. MEC density (Table A-5) is the density of MEC items (excluding scrap) within the level of intrusion; intensity of contact with soil (Table A-6) is a hours/day assessment of the receptor's contact with soil based on proposed site-use; and frequency of entry (Table A-7) refers to the number of people entering an area based on proposed site-use. A score is assigned for each of the three input factors using well-defined, set criteria, and then a scoring matrix combines the three input factors to produce a score for the exposure factor.

Table A-5. MEC Density

Score	Description ^{(a) (b) (c)}
1	100% of detected MEC removed to Level of Intrusion (d)
2	Low MEC Density (< 0.1 items per acre) (e)
3	Medium MEC Density (0.1 to 1 item per acre)
4	High MEC Density (> 1 item per acre)
Notes: ^(a) MEC density depends on actual MEC items in the Level of Intrusion from Table A-2. MEC scrap should not be considered. ^(b) If significant uncertainty exists about MEC density, it may be appropriate to assign the next higher score. ^(c) Density should be based on actual field measurements of MEC items. ^(d) Detection and removal procedures meeting the DQOs for the area based on clearly defined investigational objectives including reuse and the detection of designated MEC. If DQOs have not been established for the area, the quality of data should be approved by the BCT to score a '1.' ^(e) As available, the measurement of number of items per acre should be determined from the aerial extent of the area and the Level of Intrusion.	

Table A-6. Intensity of Contact with Soil

Score	Description ^{(a) (b)}
1	Very Low: < 1 hours/day
2	Low: < 3 hours/day
3	Moderate: < 6 hours/day
4	High: < 9 hours/day
5	Very High: > 9 hours/day
Notes: ^(a) Activities involving direct contact with soil should be considered in this category. Direct contact with soil can range from walking on the soil to digging in the soil. ^(b) If significant uncertainty exists, in the intensity of contact with soil, it may be appropriate to assign the next higher score.	

Table A-7. Frequency of Entry

Score	Description ^{(a) (b)}
1	Rare: Is not likely to occur (less than once per year to once per year)
2	Infrequent: Will seldom occur (less than once per season to once per month)
3	Occasional: Will likely occur from time to time (more than once per month)
4	Frequent: Will occur frequently (once a week to more than once a week)
Notes: ^(a) UXO-trained professionals and others covered by MEC-specific health and safety plans should not be considered in the Frequency of Entry categories. ^(b) Depending on the type of area, different areas may have different entry frequencies for the same activity.	

The Exposure Factor score is determined using the qualitative scoring matrix given in Table A-8.

Table A-8. Exposure Factor Scoring Matrix ^(a)

Frequency of Entry	MEC Density	Intensity of Contact with Soil				
		1. Very Low: < 1 hours/day	2. Low: < 3 hours/day	3. Moderate: < 6 hours/day	4. High: < 9 hours/day	5. Very High: > 9 hours/day
1. Rare	1. 100% of detected MEC removed to intrusion depth	1	1	1	1	1
	2. Low MEC Density	1	2	2	3	3
	3. Medium MEC Density	2	3	3	3	3
	4. High MEC Density	3	3	3	4	4
2. Infrequent	1. 100% of detected MEC removed to intrusion depth	1	1	1	1	1
	2. Low MEC Density	1	2	2	3	3
	3. Medium MEC Density	2	3	3	4	4
	4. High MEC Density	3	3	4	4	4
3. Occasional	1. 100% of detected MEC removed to intrusion depth	1	1	1	1	1
	2. Low MEC Density	2	2	3	3	3
	3. Medium MEC Density	3	3	4	4	4
	4. High MEC Density	3	4	5	5	5
4. Frequent	1. 100% of detected MEC removed to intrusion depth	1	1	1	1	1
	2. Low MEC Density	2	2	3	4	4
	3. Medium MEC Density	3	4	4	5	5
	4. High MEC Density	4	5	5	5	5
Notes:						
^(a) Exposure Factor scores are defined as:						
1. Least Potential for Exposure			3. May be Exposed			
2. Not Likely to be Exposed			4. Likely to be Exposed			
			5. Greatest Potential for Exposure			

2.3. Overall Hazard Factor

The overall hazard factor examines how hazardous the MEC item itself is. This is based on the type of MEC item present, which must be determined by UXO-trained personnel. The overall hazard factor is then given a score based on how likely the MEC type is to cause injury and how severe the injury may be.

Table A-9. MEC Hazard Classification

Score	Description ^(a)
0	Inert MEC, will cause no injury ^(b)
1	MEC that will cause an injury ^(c) , or in extreme cases could cause major injury or death, to an individual if functioned by an individual's activities
2	MEC that will cause major injury ^(d) , or in extreme cases could cause death, to an individual if functioned by an individual's activities
3	MEC that will kill an individual if detonated by an individual's activities
Notes:	
^(a) MEC Type must only be determined by UXO-TRAINED PERSONNEL .	
^(b) Inert describes the condition of a munition, or component thereof, which contains no explosive, pyrotechnic, or chemical agent.	
^(c) An injury is defined as a flesh wound or a minor burn.	
^(d) A major injury is defined as the loss of sight, hearing, or limb, or a major burn.	

2.4. Overall MEC Risk

The overall MEC risk is determined by the accessibility factor, the exposure factor, and the overall hazard factor. The three factors are combined in a matrix to yield an overall MEC risk score designated by the letters A through E, where A represents the lowest risk, and E represents the highest risk. The scoring matrix for the overall MEC risk score is given in Table A-10 below. Information on the MEC type and accessibility factors is in the first two columns, while exposure factor information is given in a row across the top.

Table A-10. Overall MEC Risk Scoring Matrix ^(a)

MEC Type	Accessibility	Exposure				
		1. Least Potential for Exposure	2. Not Likely to be Exposed	3. May Be Exposed	4. Likely to be Exposed	5. Greatest Potential for Exposure
0. Inert MEC	1. Least Potential for Accessibility	A	A	A	A	A
	2. Not Likely to be Accessible	A	A	A	A	A
	3. May Be Accessible	A	A	A	A	A
	4. Likely to be Accessible	A	A	A	A	A
	5. Greatest Potential for Accessibility	A	A	A	A	A
1. MEC that will cause an injury	1. Least Potential for Accessibility	A	A	A	B	B
	2. Not Likely to be Accessible	A	B	B	B	B
	3. May Be Accessible	A	B	B	C	C
	4. Likely to be Accessible	B	B	C	D	D
	5. Greatest Potential for Accessibility	B	C	D	D	D
2. MEC that will cause a major injury	1. Least Potential for Accessibility	A	A	B	B	B
	2. Not Likely to be Accessible	A	B	B	C	C
	3. May Be Accessible	A	B	C	D	D
	4. Likely to be Accessible	B	C	D	D	E
	5. Greatest Potential for Accessibility	B	C	D	E	E
3. MEC that will kill	1. Least Potential for Accessibility	A	B	B	C	C
	2. Not Likely to be Accessible	B	B	C	D	D
	3. May Be Accessible	B	C	D	E	E
	4. Likely to be Accessible	C	C	D	E	E
	5. Greatest Potential for Accessibility	C	D	E	E	E
Notes: (a) Overall MEC Risk scores are defined as: A. Lowest Risk B. Low Risk C. Medium Risk D. High Risk E. Highest Risk						

ATTACHMENT B
MEC ITEMS FOUND BY REUSE AREA

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Table B-1. MPC EVOC (221.5 acres) MEC Items Found and Removed

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
2124120.0	5743365.0	Cartridge, 40mm, practice, M781	1	10	0	N
2127270.1	5744204.5	Cartridge, 40mm, practice, M781	1	1	0	N
2127382.3	5744493.4	Cartridge, 40mm, practice, M781	1	1	0	N
2124856.3	5742929.8	Cartridge, ignition, M2 series	1	1	0	N
2124143.7	5744921.9	Flare, surface, trip, M49 series	1	1	0	N
2126588.0	5743313.0	Flare, surface, trip, M49 series	1	1	0	N
2126550.0	5743720.0	Fuse, time, blasting, M700	1	2	0	N
2127119.7	5744610.1	Fuze, grenade, hand, practice, M205 series	1	4	0	N
2125245.2	5743465.4	Fuze, grenade, hand, practice, M228	1	1	0	N
2124840.0	5744225.0	Grenade, hand, incendiary, TH3, AN-M14	1	1	0	N
2124304.6	5742744.9	Grenade, hand, smoke, M18 series	1	1	0	N
2125511.0	5744960.3	Grenade, hand, smoke, M18 series	1	1	0	N
2125245.1	5745702.5	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	0	N
2125556.0	5745686.3	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	0	N
2125940.0	5743565.0	Projectile, 40mm, cluster, white star, M585	1	1	0	N
2125775.1	5743574.8	Pyrotechnic mixture, illumination	1	1	0	N
2124487.9	5742910.3	Signal, ground, rifle, parachute, M17 series	1	1	0	N
2125875.1	5743524.6	Simulator, explosive boobytrap, flash, M117	1	1	0	N
2126537.6	5744152.5	Simulator, flash artillery, M21	1	5	0	N
2126537.6	5744152.5	Charge, 0.25lbs, demolition, TNT	2	4	0	N
2123670.0	5743715.0	Charge, 0.25lbs, demolition, TNT	2	1	0	N
2125389.5	5744589.8	Flare, parachute, trip, M48	2	1	0	N
2124856.3	5742929.8	Fuze, projectile, powder train time fuze, M84 series	2	1	0	N
2125510.0	5744305.0	Signal, illumination, ground, M131	2	1	0	N
2123449.9	5744644.8	Simulator, projectile, ground burst, M115A2	2	1	0	N
2127109.7	5744304.5	Cap, blasting, electric, M6	1	1	1	N
2124570.0	5745380.0	Cartridge, 20mm, target practice, M204	1	1	1	N
2123754.9	5743804.9	Cartridge, 40mm, practice, M781	1	1	1	N
2123825.0	5744170.0	Cartridge, 40mm, practice, M781	1	1	1	N
2124649.1	5743543.5	Flare, surface, trip, M49 series	1	1	1	N
2123694.7	5744704.9	Flare, surface, trip, M49 series	1	1	1	N
2124230.4	5744840.5	Flare, surface, trip, M49 series	1	1	1	N
2126994.7	5744524.3	Fuze, grenade (model unknown)	1	1	1	N
2124965.5	5743038.2	Fuze, grenade, hand, M10 series	1	1	1	N
2127061.0	5743339.0	Fuze, grenade, hand, M10 series	1	1	1	N

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
2124315.5	5744780.0	Fuze, grenade, hand, practice, M205 series	1	1	1	N
2127258.7	5743234.5	Fuze, grenade, hand, practice, M228	1	1	1	N
2124245.0	5745375.0	Fuze, grenade, hand, practice, M228	1	1	1	N
2124120.3	5743439.9	Fuze, projectile, combination, M1907	1	1	1	N
2127019.1	5743820.7	Grenade, hand, illumination, MK I	1	1	1	N
2123654.6	5744940.3	Grenade, hand, riot, CS, M7A3	1	1	1	N
2124620.0	5745000.0	Grenade, hand, smoke, HC, AN-M8	1	1	1	N
2124113.7	5744924.9	Grenade, hand, smoke, M18 series	1	1	1	N
2124965.0	5743200.0	Mine, antitank, practice, M20	1	1	1	N
2125675.0	5744880.0	Pyrotechnic mixture, illumination	1	0	1	N
2127074.9	5744915.0	Pyrotechnic mixture, illumination	1	1	1	N
2123524.9	5744010.1	Rocket, 35mm, subcaliber, practice, M73	1	1	1	N
2124570.3	5743314.7	Rocket, 35mm, subcaliber, practice, M73	1	1	1	N
2124379.9	5743364.8	Signal, illumination, ground, parachute, rifle, M19 series	1	1	1	N
2123340.7	5744469.8	Simulator, detonation, explosive, M80	1	1	1	N
2125435.3	5745119.8	Simulator, explosive boobytrap, flash, M117	1	2	1	N
2124039.8	5744744.9	Signal, illumination, ground, M126 series	2	1	1	N
2124570.8	5746155.0	Projectile, 37mm, low explosive, MK I	3	1	1	N
2123940.0	5745845.0	Projectile, 37mm, low explosive, MK I	3	1	1	N
2126418.0	5743431.0	Projectile, 75mm, Shrapnel, MK I	3	1	1	N
2124389.2	5744995.3	Flare, surface, trip, M49 series	1	1	2	N
2124595.4	5745405.2	Flare, surface, trip, M49 series	1	1	2	N
2124750.3	5744614.6	Flare, surface, trip, M49 series	1	1	2	N
2125759.5	5744930.2	Flare, surface, trip, M49 series	1	1	2	N
2123390.7	5744404.8	Flare, surface, trip, M49 series	1	1	2	N
2123599.9	5744610.0	Flare, surface, trip, M49 series	1	1	2	N
2124210.1	5744900.1	Flare, surface, trip, M49 series	1	1	2	N
2124230.0	5742735.0	Fuze, grenade, hand, M10 series	1	1	2	N
2124411.7	5743001.0	Fuze, grenade, hand, M10 series	1	1	2	N
2124983.5	5743039.2	Fuze, grenade, hand, M10 series	1	1	2	N
2124967.5	5743044.2	Fuze, grenade, hand, M10 series	1	1	2	N
2124610.0	5743585.0	Fuze, grenade, hand, M204 series	1	1	2	N
2124484.7	5744415.3	Fuze, grenade, hand, practice, M205 series	1	1	2	N
2125312.7	5745809.5	Fuze, grenade, hand, practice, M228	1	1	2	N
2125752.3	5743667.3	Fuze, grenade, hand, practice, M228	1	1	2	N
2126870.4	5744000.6	Fuze, grenade, hand, practice, M228	1	1	2	N
2127265.0	5743930.0	Fuze, grenade, hand, practice, M228	1	1	2	N
2123780.0	5743540.0	Grenade, hand, practice, MK II	1	1	2	N
2124035.0	5743390.0	Grenade, hand, practice, MK II	1	1	2	N
2124840.0	5743225.0	Grenade, hand, practice, MK II	1	1	2	N

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
2124049.7	5745054.9	Grenade, hand, practice, MK II	1	1	2	N
2125641.9	5745393.3	Grenade, hand, smoke, HC, AN-M8	1	1	2	N
2124280.0	5743015.2	Grenade, hand, smoke, M18 series	1	1	2	N
2127475.0	5743274.4	Grenade, hand, smoke, M18 series	1	1	2	N
2124410.3	5745030.0	Grenade, hand, smoke, M18 series	1	1	2	N
2124679.8	5744735.0	Grenade, hand, smoke, M18 series	1	1	2	N
2125415.0	5744105.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	2	N
2125609.8	5743920.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	2	N
2125729.9	5743734.8	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	2	N
2125639.8	5745150.8	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	2	N
2125920.0	5744780.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	2	N
2125949.5	5744814.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	2	N
2125963.3	5744963.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	2	N
2125984.3	5744959.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	2	N
2124523.9	5745731.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	2	N
2124990.0	5745530.3	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	2	N
2126070.5	5743699.5	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	2	N
2126119.9	5743859.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	2	N
2125620.3	5745750.3	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	2	N
2125755.0	5745705.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	2	N
2123735.2	5744444.9	Signal, ground, rifle, parachute, M17 series	1	1	2	N
2123829.8	5743920.1	Signal, ground, rifle, parachute, M17 series	1	1	2	N
2126454.5	5744044.8	Signal, ground, rifle, parachute, M17 series	1	1	2	N
2124460.2	5744939.8	Signal, illumination, ground, parachute, rifle, M19 series	1	1	2	N
2125404.7	5744079.4	Simulator, launching, antitank guided missile and rocket, M22	1	1	2	N
2123310.7	5744414.8	Squib, electric	1	1	2	N
2125974.7	5743705.4	Signal, illumination, ground (model unknown)	2	1	2	N
2125969.7	5743705.4	Signal, illumination, ground (model unknown)	2	1	2	N
2124985.0	5744810.0	Signal, illumination, ground, M125 series	2	1	2	N

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
2125755.6	5744485.0	Signal, illumination, ground, M126 series	2	1	2	N
2123730.2	5744494.9	Projectile, 37mm, high explosive, M54	3	1	2	N
2125219.7	5744225.0	Projectile, 37mm, low explosive, MK I	3	1	2	N
2124425.0	5745810.0	Projectile, 37mm, low explosive, MK II	3	1	2	N
2123735.2	5744444.9	Projectile, 37mm, low explosive, MK II	3	1	2	N
2123980.0	5743365.0	Projectile, 40mm, high explosive dual-purpose, M433	3	1	2	N
2126247.2	5743515.4	Projectile, 75mm, Shrapnel, MK I	3	1	2	N
2124884.8	5745807.7	Flare, surface, trip, M49 series	1	1	3	N
2126548.8	5744047.8	Flare, surface, trip, M49 series	1	1	3	N
2124414.9	5742998.3	Fuze, grenade, hand, M10 series	1	24	3	Y
2126610.0	5743785.0	Fuze, grenade, hand, M206 series	1	1	3	N
2125096.2	5743408.8	Fuze, grenade, hand, practice, M228	1	2	3	N
2125135.0	5743444.4	Fuze, grenade, hand, practice, M228	1	1	3	N
2125120.0	5743409.4	Fuze, grenade, hand, practice, M228	1	1	3	N
2125140.0	5743434.4	Fuze, grenade, hand, practice, M228	1	1	3	N
2125550.0	5745159.4	Fuze, grenade, hand, practice, M228	1	1	3	N
2125628.9	5745326.3	Fuze, grenade, hand, practice, M228	1	1	3	N
2126985.7	5743959.7	Fuze, grenade, hand, practice, M228	1	1	3	N
2127220.0	5743980.0	Fuze, grenade, hand, practice, M228	1	1	3	N
2127325.0	5743769.7	Fuze, grenade, hand, practice, M228	1	1	3	N
2126740.0	5743870.0	Grenade, hand, Illumination, MK I	1	1	3	N
2124708.2	5743810.7	Grenade, hand, practice, MK II	1	1	3	N
2125240.0	5743945.0	Grenade, rifle, smoke, M22 series	1	1	3	N
2125680.0	5744515.0	Grenade, rifle, smoke, M22 series	1	1	3	N
2126748.0	5743494.0	Grenade, rifle, smoke, M22 series	1	1	3	N
2125015.0	5745325.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	3	N
2125659.8	5745120.8	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	3	N
2125661.2	5745200.3	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	3	N
2125891.0	5745482.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	3	N
2125981.3	5744928.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	3	N
2125991.3	5744937.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	3	N
2124325.0	5745740.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	3	N
2124640.3	5745705.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	3	N
2124716.4	5745704.5	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	3	N
2124825.1	5745704.3	Projectile, 3inch, trench mortar, practice,	1	1	3	N

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
		MK I (Stokes)				
2125140.0	5745691.2	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	3	N
2125120.3	5745715.6	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	3	N
2125223.7	5745607.3	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	3	N
2125291.7	5745686.3	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	3	N
2125222.1	5745705.5	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	3	N
2125561.0	5745672.3	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	3	N
2125571.0	5745616.3	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	3	N
2125697.9	5745643.7	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	3	N
2126233.3	5744013.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	3	N
2126560.0	5743770.0	Projectile, 40mm, smoke, M680 series	1	1	3	N
2125055.0	5745240.0	Pyrotechnic mixture, illumination	1	0	3	N
2124269.7	5744164.9	Signal, ground, rifle, parachute, M17 series	1	1	3	N
2124610.0	5745370.0	Signal, illumination, AN-M53A2 series	1	1	3	N
2125490.0	5743685.0	Signal, illumination, ground, parachute, rifle, M19 series	1	1	3	N
2124820.0	5743975.0	Signal, illumination, M187	1	1	3	N
2123424.8	5744550.2	Simulator, detonation, explosive, M80	1	1	3	N
2124321.6	5742772.9	Fuze, projectile, point detonating, M521	2	1	3	N
2124060.0	5743145.0	Signal, illumination, ground, M126 series	2	1	3	N
2123675.0	5744359.9	Signal, illumination, ground, M126 series	2	1	3	N
2126484.1	5743734.7	Signal, illumination, ground, M126 series	2	1	3	N
2125964.7	5743705.4	Signal, illumination, ground, M131	2	1	3	N
2125811.0	5745328.6	Grenade, hand, fragmentation, MK II	3	1	3	N
2124655.8	5745429.7	Projectile, 37mm, low explosive, MK I	3	1	3	N
2124150.4	5743149.6	Projectile, 75mm, Shrapnel, MK I	3	1	3	N
2124024.9	5743439.9	Cartridge case, 40mm (projectile removed/case in tact)	1	1	4	N
2126541.8	5744023.8	Cartridge, 40mm, practice, M781	1	1	4	N
2124424.7	5743012.0	Cartridge, grenade, auxiliary, M7	1	2	4	N
2125165.0	5743310.0	Cartridge, ignition, M2 series	1	2	4	N
2124465.0	5745875.0	Flare, surface, trip, M49 series	1	1	4	N
2127185.0	5743789.7	Flare, surface, trip, M49 series	1	1	4	N
2126811.0	5743482.0	Flare, surface, trip, M49 series	1	1	4	N
2126951.0	5743472.0	Flare, surface, trip, M49 series	1	1	4	N
2126296.3	5744008.4	Flare, surface, trip, M49 series	1	1	4	N
2123715.2	5744419.9	Fuze, grenade, hand, practice, M205	1	1	4	N

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
		series				
2123790.1	5744674.8	Fuze, grenade, hand, practice, M205 series	1	1	4	N
2123815.4	5744919.8	Fuze, grenade, hand, practice, M205 series	1	1	4	N
2124350.5	5744740.0	Fuze, grenade, hand, practice, M205 series	1	1	4	N
2127270.0	5743905.0	Fuze, grenade, hand, practice, M228	1	1	4	N
2124775.3	5744679.6	Fuze, projectile, combination, M1907	1	1	4	N
2123639.7	5744070.1	Fuze, projectile, combination, M1907	1	1	4	N
2123906.7	5745349.4	Grenade, hand, riot, CS, M7A3	1	2	4	N
2126926.7	5744179.0	Mine, antitank, practice, M12 series	1	1	4	N
2123965.0	5743330.0	Pot, 10lb, smoke, HC, screening, M1	1	1	4	N
2125465.0	5743930.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	4	N
2125444.7	5744054.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	4	N
2125610.2	5744240.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	4	N
2125680.2	5744280.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	4	N
2125739.9	5743769.8	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	4	N
2125794.9	5743739.8	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	4	N
2125779.5	5743820.2	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	4	N
2125769.5	5743895.2	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	4	N
2125734.5	5743825.2	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	4	N
2125815.0	5743755.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	4	N
2125015.0	5745485.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	4	Y
2125974.5	5744884.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	4	N
2126080.0	5744470.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	4	N
2126425.0	5744390.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	4	N
2126449.4	5744479.6	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	4	N
2126030.0	5745420.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	4	N
2124420.1	5745557.5	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	4	N
2124711.4	5745719.5	Projectile, 3inch, trench mortar, practice,	1	1	4	N

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
		MK I (Stokes)				
2125155.0	5745611.2	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	2	4	N
2126108.9	5743857.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	4	N
2126870.5	5744854.1	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	4	N
2125930.0	5743910.0	Pyrotechnic mixture, illumination	1	0	4	N
2126783.0	5743364.0	Pyrotechnic mixture, illumination	1	0	4	N
2124735.0	5743680.0	Signal, ground, rifle, parachute, M17 series	1	1	4	N
2123850.0	5744440.2	Signal, ground, rifle, parachute, M17 series	1	1	4	N
2124341.6	5742729.9	Fuze, projectile, point detonating, M521	2	1	4	N
2127089.7	5744380.5	Signal, illumination, ground, M125 series	2	1	4	N
2125545.4	5744150.5	Signal, illumination, ground, M126 series	2	1	4	N
2124329.9	5743060.1	Projectile, 37mm, low explosive, MK I	3	1	4	N
2125550.0	5745154.4	Projectile, 37mm, low explosive, MK II	3	1	4	N
2124050.0	5743350.0	Projectile, 75mm, Shrapnel, MK I	3	1	4	N
2125921.3	5744914.4	Flare, surface, trip, M49 series	1	1	5	N
2125822.0	5745302.6	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	5	N
2124728.7	5745689.3	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	5	N
2124520.5	5746070.8	Charge, 0.5lbs, demolition, TNT	2	1	5	N
2124270.0	5745360.0	Signal, illumination, ground, M126 series	2	1	5	N
2124190.0	5745985.0	Projectile, 37mm, low explosive, MK I	3	1	5	N
2124237.1	5743846.5	Projectile, 75mm, Shrapnel, MK I	3	1	5	N
2127254.9	5744194.8	Cartridge, 40mm, practice, M781	1	1	6	N
2125670.0	5744130.0	Flare, surface, trip, M49 series	1	1	6	N
2126336.7	5743945.2	Flare, surface, trip, M49 series	1	2	6	N
2126992.8	5744250.4	Fuze, grenade, hand, M10 series	1	1	6	N
2125429.7	5744019.4	Fuze, grenade, hand, M204 series	1	1	6	N
2123765.1	5744694.8	Fuze, grenade, hand, practice, M205 series	1	1	6	N
2125061.2	5743433.8	Fuze, grenade, hand, practice, M228	1	1	6	N
2125086.2	5743415.8	Fuze, grenade, hand, practice, M228	1	2	6	N
2125145.0	5743424.4	Fuze, grenade, hand, practice, M228	1	1	6	N
2125145.0	5743419.4	Fuze, grenade, hand, practice, M228	1	2	6	N
2125150.0	5743474.4	Fuze, grenade, hand, practice, M228	1	1	6	N
2125220.2	5743490.4	Fuze, grenade, hand, practice, M228	1	2	6	N
2125461.4	5745268.9	Fuze, grenade, hand, practice, M228	1	1	6	N
2127290.0	5743835.2	Fuze, grenade, hand, practice, M228	1	1	6	N
2124120.0	5743370.0	Fuze, projectile, combination, M1907	1	1	6	N
2126950.5	5744060.1	Fuze, projectile, combination, M1907	1	1	6	N
2125655.4	5743840.5	Grenade, hand, Illumination, MK I	1	1	6	N

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
2126494.5	5744019.8	Grenade, hand, Illumination, MK I	1	1	6	N
2124556.0	5744942.0	Grenade, hand, practice, M69	1	1	6	N
2124009.6	5745125.1	Grenade, hand, riot, CS, M7A3	1	1	6	N
2125030.0	5745235.0	Grenade, hand, riot, CS-1, ABC-M25A2	1	1	6	N
2125428.9	5743819.0	Grenade, hand, smoke, M18 series	1	1	6	N
2125566.0	5744925.3	Grenade, hand, smoke, M18 series	1	1	6	N
2124590.5	5745030.7	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125210.7	5744030.5	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125356.8	5744190.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125329.9	5744319.5	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125379.0	5744494.9	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125670.0	5743705.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125610.0	5743735.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125680.4	5743855.5	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125655.4	5743890.5	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125619.8	5743925.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125649.8	5743930.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125654.8	5743950.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125605.2	5744230.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125620.2	5744245.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125749.9	5743774.8	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125724.9	5743714.8	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125724.9	5743729.8	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125840.0	5744060.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125856.1	5744184.5	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125079.1	5744739.5	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125545.0	5745410.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
2125687.2	5745210.3	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125660.9	5745395.3	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125609.9	5745352.3	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125609.9	5745357.3	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125640.6	5745474.7	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125759.2	5744779.9	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125830.1	5745129.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125925.0	5744725.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125911.3	5744977.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125910.3	5744928.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125925.0	5745445.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2126135.0	5744225.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2126110.0	5744465.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2126034.1	5744744.9	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2126015.0	5745490.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2126020.0	5745425.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2126425.0	5744745.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2124835.1	5745569.9	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125492.7	5745543.7	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125440.7	5745514.7	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125562.6	5745582.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125612.3	5745521.5	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125911.1	5745521.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125920.1	5745535.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2124024.9	5744530.2	Projectile, 3inch, trench mortar, practice,	1	1	6	N

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
		MK I (Stokes)				
2126110.2	5743710.8	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2126209.3	5743941.9	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2126627.7	5744002.7	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2124535.1	5744035.4	Pyrotechnic mixture, illumination	1	0	6	N
2124359.9	5743065.1	Signal, ground, rifle, parachute, M17 series	1	1	6	N
2124460.0	5744010.0	Signal, illumination, ground, M20A1	1	1	6	N
2125555.0	5743680.0	Signal, illumination, ground, parachute, rifle, M19 series	1	1	6	N
2123774.6	5745014.8	Signal, illumination, ground, parachute, rifle, M19 series	1	1	6	N
2124456.2	5745135.3	Simulator, flash artillery, M110	1	1	6	N
2126420.0	5744710.0	Signal, illumination, ground, M125 series	2	1	6	N
2125350.7	5744055.4	Signal, illumination, ground, M126 series	2	1	6	N
2125865.1	5745104.4	Signal, illumination, ground, M126 series	2	1	6	N
2123614.6	5744925.3	Signal, illumination, ground, M126 series	2	1	6	N
2126529.8	5744032.8	Signal, illumination, ground, M126 series	2	1	6	N
2124785.0	5743670.0	Projectile, 37mm, low explosive, MK I	3	1	6	N
2125425.2	5744853.7	Projectile, 37mm, low explosive, MK I	3	1	6	N
2124318.4	5745183.0	Projectile, 75mm, high explosive, M48	3	1	6	N
2124332.6	5742720.9	Projectile, 75mm, Shrapnel, MK I	3	1	6	N
2125958.0	5744988.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	7	N
2125191.8	5743262.2	Charge, black powder, practice grenade	1	0	8	N
2124950.0	5744449.8	Flare, surface, trip, M49 series	1	1	8	N
2124574.9	5744749.8	Flare, surface, trip, M49 series	1	1	8	N
2124029.8	5744724.9	Flare, surface, trip, M49 series	1	1	8	N
2124014.6	5745130.1	Flare, surface, trip, M49 series	1	1	8	N
2125340.0	5743945.0	Fuze, grenade, hand, practice, M228	1	1	8	N
2126645.2	5743239.4	Grenade, hand, illumination, MK I	1	1	8	N
2127290.6	5743105.4	Grenade, hand, practice, MK II	1	1	8	N
2124055.0	5745410.0	Grenade, hand, practice, MK II	1	1	8	N
2123380.7	5744479.8	Grenade, hand, practice, MK II	1	1	8	N
2126949.7	5744504.3	Grenade, hand, smoke, HC, AN-M8	1	2	8	Y
2125425.1	5744715.1	Grenade, hand, smoke, M18 series	1	1	8	N
2126949.7	5744504.3	Grenade, hand, smoke, M18 series	1	1	8	Y
2125245.3	5744623.7	Grenade, rifle, smoke, M22 series	1	1	8	N
2126418.3	5744113.9	Mine, antitank, practice, M12 series	1	1	8	N
2125325.0	5743925.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	8	N

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
2125489.7	5744019.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	8	N
2125640.0	5743790.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	8	N
2125690.4	5743860.5	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	8	N
2125680.0	5744120.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	8	N
2125714.9	5743794.8	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	8	N
2125450.1	5744785.1	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	8	N
2125440.3	5745194.8	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	8	N
2125615.0	5744545.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	8	N
2125744.2	5744794.9	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	8	N
2125935.0	5744685.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	8	N
2125975.0	5744785.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	8	N
2125949.5	5744854.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	8	N
2125987.0	5745492.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	8	N
2126085.0	5744030.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	8	N
2126030.0	5744035.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	8	N
2126552.0	5744283.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	8	N
2126405.0	5744590.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	8	N
2126425.0	5744930.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	8	N
2126450.0	5744905.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	8	N
2125095.6	5745704.9	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	8	N
2125484.7	5745590.7	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	8	N
2125550.6	5745535.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	8	N
2125595.6	5745520.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	8	N
2126110.8	5743975.8	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	8	N
2126257.3	5743981.9	Projectile, 3inch, trench mortar, practice,	1	1	8	N

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
		MK I (Stokes)				
2125695.0	5743424.6	Pyrotechnic mixture, illumination	1	0	8	N
2125589.4	5744210.3	Signal, ground, rifle, parachute, M17 series	1	1	8	N
2125475.2	5744868.7	Signal, illumination, ground, parachute, rifle, M19 series	1	1	8	N
2124512.6	5744472.8	Signal, illumination, ground, parachute, rifle, M19 series	1	1	8	N
2126509.0	5743692.0	Simulator, projectile, airburst, M74 series	1	1	8	N
2126115.0	5744405.0	Signal, illumination, ground, M125 series	2	2	8	N
2126532.6	5744176.5	Signal, illumination, ground, M126 series	2	1	8	N
2123939.8	5744619.7	Signal, illumination, ground, M126 series	2	1	8	N
2123619.7	5744704.9	Grenade, hand, fragmentation, MK II	3	1	8	N
2124331.6	5742714.9	Projectile, 75mm, Shrapnel, MK I	3	1	8	N
2124299.9	5743065.1	Projectile, 75mm, Shrapnel, MK I	3	1	8	N
2125839.9	5744810.0	Projectile, 75mm, Shrapnel, MK I	3	1	8	N
2123464.8	5744575.2	Projectile, 75mm, Shrapnel, MK I	3	1	8	N
2125734.5	5743815.2	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	9	N
2125688.9	5745372.3	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	9	N
2125646.9	5745317.3	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	9	N
2125605.9	5745385.3	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	9	N
2125630.9	5745385.3	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	9	N
2125660.6	5745484.7	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	9	N
2125605.6	5745414.7	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	9	N
2125760.4	5745270.5	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	9	N
2125790.3	5745304.6	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	9	N
2125850.1	5745149.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	9	N
2125874.0	5745453.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	9	N
2125989.0	5745409.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	9	N
2126591.0	5744487.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	9	N
2124521.4	5744527.8	Signal, illumination, ground, parachute, rifle, M19 series	1	1	9	N
2125719.5	5743825.2	Fuze, projectile, point detonating, M521	2	1	9	N
2124640.1	5744909.8	Flare, surface, trip, M49 series	1	1	10	N
2124426.0	5745929.8	Flare, surface, trip, M49 series	1	1	10	N

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
2123845.4	5744954.8	Flare, surface, trip, M49 series	1	1	10	N
2127320.0	5743709.7	Pot, 10lb, smoke, HC, screening, M1	1	1	10	N
2125625.3	5745069.8	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	10	N
2125765.1	5745174.9	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	10	N
2125905.0	5744745.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	10	N
2125955.0	5744775.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	10	N
2126190.0	5744320.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	10	N
2125560.6	5745510.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	10	N
2126195.8	5743990.8	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	10	N
2126250.9	5744140.6	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	10	N
2123559.9	5744620.0	Grenade, hand, fragmentation, MK II	3	1	10	N
2123550.0	5744729.7	Grenade, hand, fragmentation, MK II	3	1	10	N
2124917.5	5743090.2	Projectile, 75mm, Shrapnel, MK I	3	1	10	N
2123754.6	5745145.7	Cap, blasting, electric, M6	1	1	12	N
2125980.1	5744160.0	Flare, surface, trip, M49 series	1	2	12	Y
2125980.1	5744160.0	Flare, surface, trip, M49 series	1	2	12	Y
2125025.0	5745325.0	Flare, surface, trip, M49 series	1	3	12	Y
2124220.4	5744890.5	Flare, surface, trip, M49 series	1	2	12	N
2124266.1	5744909.1	Flare, surface, trip, M49 series	1	4	12	N
2124320.5	5744845.3	Flare, surface, trip, M49 series	1	1	12	N
2124950.5	5743064.2	Fuze, grenade, hand, M206 series	1	1	12	Y
2124885.1	5744454.6	Fuze, grenade, hand, practice, M228	1	2	12	N
2127050.0	5743650.0	Fuze, grenade, hand, practice, M228	1	1	12	N
2127110.0	5743739.7	Fuze, grenade, hand, practice, M228	1	1	12	N
2125975.0	5743575.0	Fuze, projectile, combination, M1907	1	1	12	N
2125024.7	5743715.6	Grenade, hand, Illumination, MK I	1	1	12	N
2126290.0	5744775.0	Grenade, hand, Illumination, MK I	1	1	12	N
2125359.9	5744334.5	Grenade, hand, practice, M69	1	1	12	N
2125183.8	5743280.2	Grenade, hand, practice, MK II	1	1	12	N
2124164.8	5745075.8	Grenade, hand, practice, MK II	1	1	12	N
2125025.0	5745325.0	Grenade, hand, riot, CS, M7A3	1	2	12	Y
2124560.5	5744880.1	Grenade, hand, smoke, M18 series	1	1	12	N
2124754.6	5742858.1	Pot, 10lb, smoke, HC, screening, M1	1	1	12	N
2125481.0	5743793.2	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125454.7	5744047.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
2125660.2	5744215.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125746.0	5744285.2	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125175.2	5744674.5	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125280.0	5745255.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125260.0	5745490.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125445.3	5745149.8	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125495.3	5745194.8	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125530.0	5745405.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125610.2	5744785.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125640.0	5744815.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125694.8	5745140.8	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125641.9	5745353.3	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125619.9	5745346.3	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125675.6	5745497.7	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125630.6	5745449.7	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125715.4	5745290.5	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125715.3	5745369.6	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125775.3	5745309.6	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125860.1	5745159.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125872.0	5745493.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125985.0	5744710.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125955.0	5744740.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125975.0	5744765.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125939.5	5744844.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125981.5	5745017.6	Projectile, 3inch, trench mortar, practice,	1	1	12	N

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
		MK I (Stokes)				
2125929.2	5745259.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2126170.0	5744390.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2126390.0	5744168.8	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2126574.6	5744185.5	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2126020.0	5744901.2	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2126370.4	5744694.6	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125375.8	5745558.5	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125593.6	5745599.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125585.0	5745608.3	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125683.9	5745622.7	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125864.0	5745595.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125883.0	5745588.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125895.0	5745515.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125836.4	5745603.2	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2126250.3	5743774.8	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2126939.7	5744574.3	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	3	12	Y
2124436.2	5745110.3	Signal, illumination, AN-M53A2 series	1	1	12	N
2124420.0	5743725.0	Signal, illumination, ground, parachute, rifle, M19 series	1	1	12	N
2125380.6	5745275.3	Signal, illumination, ground, parachute, rifle, M19 series	1	1	12	N
2126220.3	5743729.8	Signal, illumination, ground, parachute, rifle, M19 series	1	1	12	N
2125280.0	5745290.0	Simulator, flash artillery, M110	1	1	12	N
2125025.0	5745325.0	Signal, illumination, ground, M125 series	2	6	12	Y
2126250.9	5744110.6	Signal, illumination, ground, M125 series	2	1	12	N
2125025.0	5745325.0	Signal, illumination, ground, M126 series	2	2	12	Y
2123579.9	5744610.0	Grenade, hand, fragmentation, MK II	3	1	12	N
2123539.9	5744620.0	Grenade, hand, fragmentation, MK II	3	1	12	N
2125980.0	5743585.0	Projectile, 75mm, Shrapnel, MK I	3	1	12	N
2125460.0	5743550.0	Projector, Livens, screening smoke, FM	3	1	12	N

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
2125760.1	5744654.9	Projectile, 75mm, Shrapnel, MK I	3	1	13	N
2126284.7	5745455.4	Grenade, hand, smoke, HC, AN-M8	1	1	14	N
2125424.7	5744014.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	14	N
2126713.0	5744348.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	14	N
2124953.5	5743067.2	Signal, ground, rifle, parachute, M17 series	1	1	14	Y
2126284.7	5745455.4	Simulator, flash artillery, M110	1	2	14	N
2126479.6	5744305.3	Flare, surface, trip, M49 series	1	2	15	Y
2125956.2	5745195.1	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	15	N
2125914.2	5745257.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	15	N
2126450.0	5744385.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	15	N
2125662.9	5745689.7	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	15	N
2125771.0	5745536.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	15	N
2125930.3	5743849.8	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	16	N
2125225.0	5745265.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	16	N
2125385.1	5745484.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	16	N
2125980.0	5744615.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	16	N
2126160.0	5744360.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	16	N
2124481.2	5745120.3	Flare, surface, trip, M49 series	1	1	18	N
2124953.5	5743067.2	Fuze, grenade, hand, M10 series	1	83	18	Y
2126494.5	5744024.8	Fuze, grenade, hand, practice, M205 series	1	13	18	N
2125175.0	5744020.0	Fuze, projectile, combination, M1907	1	1	18	N
2125284.7	5744120.1	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	18	N
2125605.0	5743725.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	18	N
2125729.9	5743744.8	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	18	N
2125390.6	5745285.3	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	18	N
2125340.1	5745484.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	18	N
2125365.1	5745449.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	18	N
2125620.2	5745210.3	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	18	N

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
2125690.2	5745266.3	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	18	N
2125613.9	5745347.3	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	2	18	N
2125645.9	5745390.3	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	18	N
2125620.6	5745404.7	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	18	N
2125765.4	5745202.5	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	2	18	N
2125890.0	5744575.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	18	N
2125855.0	5744790.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	18	N
2125858.0	5745498.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	18	N
2125927.5	5745066.6	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	3	18	N
2125952.2	5745286.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	18	N
2126460.0	5744375.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	18	N
2126020.2	5744804.8	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	18	N
2126025.0	5744915.2	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	18	N
2126380.4	5744684.6	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	18	N
2125536.1	5745703.1	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	18	N
2125625.9	5745618.7	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	18	N
2125771.0	5745532.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	18	N
2125793.0	5745518.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	18	N
2125811.4	5745611.2	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	18	N
2126633.0	5743480.0	Simulator, launching, antitank guided missile and rocket, M22	1	70	18	Y
2126065.0	5744490.0	Signal, illumination, ground, M125 series	2	1	18	N
2124333.5	5744824.3	Signal, illumination, ground, M126 series	2	1	18	N
2125925.1	5744160.0	Projectile, 75mm, Shrapnel, MK I	3	1	18	N
2123739.8	5744154.6	Fuze, grenade, hand, M10 series	1	2	20	N
2125355.1	5745409.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	20	N
2124229.9	5743480.0	Projectile, 60mm, mortar, high explosive, M49 series	3	1	20	N
2125230.0	5745330.0	Projectile, 3inch, trench mortar, practice,	1	1	22	N

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
		MK I (Stokes)				
2125019.6	5743150.1	Cartridge, ignition, M2 series	1	1	24	N
2124436.2	5745130.3	Flare, surface, trip, M49 series	1	1	24	N
2124530.5	5744870.1	Flare, surface, trip, M49 series	1	1	24	N
2125050.0	5745280.0	Flare, surface, trip, M49 series	1	11	24	N
2124245.1	5744927.1	Flare, surface, trip, M49 series	1	1	24	Y
2124414.7	5746019.9	Grenade, hand, practice, MK II	1	1	24	N
2125050.0	5745280.0	Grenade, hand, riot, CS, M7A3	1	1	24	Y
2125714.9	5743719.8	Grenade, rifle, smoke, M22 series	1	1	24	N
2125220.0	5743965.0	Pot, 2.5lb, smoke, HC, screening, M1	1	1	24	N
2125439.7	5744024.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	24	N
2125504.4	5744200.3	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	24	N
2125584.4	5744290.3	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	24	N
2125680.2	5744295.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	24	N
2125385.6	5745255.3	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	24	N
2125385.1	5745414.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	24	N
2125550.0	5745425.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	2	24	N
2125645.6	5745409.7	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	4	24	N
2125735.3	5745339.6	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	24	N
2125735.3	5745374.6	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	24	N
2125945.0	5744755.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	24	N
2126055.0	5744240.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	24	N
2126065.2	5744839.8	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	11	24	N
2125222.7	5745594.9	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	3	24	N
2125990.0	5743645.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	24	N
2126544.0	5743969.9	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	24	N
2123896.3	5745281.6	Projectile, 40mm, parachute, illumination, M583 series	1	1	24	N
2125050.0	5745280.0	Signal, illumination, ground, parachute, rifle, M19 series	1	1	24	Y
2126569.8	5744032.8	Simulator, flash artillery, M110	1	1	24	N

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
2125050.0	5745280.0	Simulator, projectile, ground burst, M115A2	2	1	24	Y
2125010.0	5743269.7	Cap, blasting, electric, M6	1	1	28	N
2124505.0	5745375.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	28	N
2125275.0	5745475.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	28	N
2125350.0	5745345.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	28	N
2125010.0	5743249.7	Cap, blasting, electric, M6	1	2	30	N
2124024.7	5745079.9	Flare, surface, trip, M49 series	1	1	30	N
2124422.7	5743012.0	Fuze, grenade, hand, M10 series	1	2	30	Y
2125479.7	5744029.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	30	N
2125510.4	5744105.5	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	30	N
2125245.0	5745375.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	30	N
2125848.0	5745496.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	30	N
2125985.2	5745176.1	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	30	N
2126389.9	5745340.1	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	30	N
2125131.2	5744799.5	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	31	N
2125155.0	5745445.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	4	32	Y
2125215.0	5745465.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	32	N
2125350.0	5745380.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	34	N
2125085.2	5743364.5	Cartridge, ignition, M2 series	1	5	36	Y
2124920.0	5744805.0	Fuze, grenade, hand, M10 series	1	2	36	Y
2125885.1	5743509.6	Fuze, grenade, hand, practice, M228	1	1	36	N
2124936.3	5744597.9	Mine, antipersonnel, practice, M8 series	1	3	36	Y
2125409.7	5744044.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	36	N
2126109.9	5743874.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	36	N
2126865.0	5745009.7	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	36	N
2126945.3	5744730.4	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	36	N
2126782.7	5744097.3	Flare, parachute, trip, M48	2	1	36	Y
2124936.3	5744597.9	Grenade, rifle, antitank, M9 series	3	1	36	Y
2124860.0	5743205.0	Fuze, grenade, hand, M10 series	1	25	39	Y

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
2124860.0	5743210.0	Fuze, grenade, hand, practice, M205 series	1	1	39	N
2124860.0	5743210.0	Fuze, grenade, hand, practice, M205 series	1	111	39	Y
2124860.0	5743210.0	Fuze, grenade, hand, practice, M205 series	1	168	39	Y
2125965.0	5743675.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	40	N
2125071.8	5743260.1	Cartridge, ignition, M2 series	1	5	48	N
2125108.8	5743203.2	Cartridge, ignition, M2 series	1	8	48	Y
2125161.8	5743203.2	Cartridge, ignition, M2 series	1	1	48	Y
2125108.8	5743203.2	Fuze, grenade, hand, practice, M228	1	1	48	Y
2125161.8	5743203.2	Fuze, grenade, hand, practice, M228	1	7	48	Y
2124269.9	5745085.8	Mine, antipersonnel, practice, M8 series	1	1	48	Y
2124942.3	5744597.9	Mine, antipersonnel, practice, M8 series	1	2	48	Y
2124942.3	5744597.9	Mine, antipersonnel, practice, M8 series	1	16	48	Y
2125630.6	5745414.7	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	5	48	N
2125970.0	5743680.0	Projectile, 75mm, high explosive, MK I	3	1	48	N

Table B-2. Parker Flats MRA Horse Park (85.7 acres) MEC Items Found and Removed

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
2126694.5	5746255.0	Flare, surface, trip, M49 series	1	1	0	N
2126940.2	5747480.0	Flare, surface, trip, M49 series	1	1	0	N
2127916.1	5747414.8	Fuze, grenade, hand, practice, M228	1	1	0	N
2126950.1	5746103.8	Grenade, hand, riot, CS, M7A3	1	1	0	N
2126900.0	5746322.0	Grenade, hand, riot, CS, M7A3	1	1	0	N
2126936.0	5746372.0	Grenade, hand, riot, CS-1, ABC-M25A2	1	1	0	N
2127019.9	5745675.0	Grenade, hand, smoke, M18 series	1	1	0	N
2127434.7	5745614.7	Grenade, hand, smoke, M18 series	1	1	0	N
2126774.8	5745810.2	Signal, illumination, ground, M20A1	1	1	0	N
2126904.5	5746913.3	Signal, illumination, ground, M125 series	2	1	0	N
2127529.8	5746594.9	Signal, illumination, ground, M126 series	2	1	0	N
2127670.3	5748319.9	Signal, illumination, ground, M126 series	2	1	0	N
2126804.9	5746809.9	Base, coupling, firing device	1	1	1	N
2127440.0	5745815.0	Firing device, pull, M1	1	1	1	N
2127765.0	5747345.9	Fuze, grenade, hand, practice, M228	1	1	1	N
2127924.7	5749175.1	Fuze, grenade, hand, practice, M228	1	1	1	N
2127150.0	5746405.0	Grenade, hand, riot, CS, M7A3	1	1	1	N
2127320.4	5746125.0	Grenade, hand, smoke, HC, AN-M8	1	1	1	N
2127249.7	5746330.7	Grenade, hand, smoke, M18 series	1	1	1	N
2127350.4	5746175.0	Grenade, hand, smoke, M18 series	1	1	1	N
2126774.8	5746655.1	Signal, illumination, ground, M125 series	2	1	1	N
2126539.8	5746484.8	Flare, surface, trip, M49 series	1	1	2	N
2127040.4	5745515.0	Flare, surface, trip, M49 series	1	1	2	N
2127345.2	5745375.0	Fuze, grenade, hand, practice, M228	1	1	2	N
2127608.0	5745413.1	Fuze, grenade, hand, practice, M228	1	1	2	N
2127065.0	5746865.0	Fuze, grenade, hand, practice, M228	1	1	2	N
2127924.6	5747395.0	Fuze, grenade, hand, practice, M228	1	3	2	N
2127914.6	5747395.0	Fuze, grenade, hand, practice, M228	1	2	2	N
2127929.6	5747395.0	Fuze, grenade, hand, practice, M228	1	1	2	N
2127916.1	5747439.8	Fuze, grenade, hand, practice, M228	1	1	2	N
2127740.5	5747704.9	Fuze, grenade, hand, practice, M228	1	1	2	N
2127740.5	5747709.9	Fuze, grenade, hand, practice, M228	1	1	2	N
2127935.3	5749090.1	Fuze, grenade, hand, practice, M228	1	1	2	N
2127919.7	5749190.1	Fuze, grenade, hand, practice, M228	1	1	2	N
2127954.7	5749175.1	Fuze, grenade, hand, practice, M228	1	1	2	N
2127665.0	5746050.3	Fuze, projectile, combination, M1907	1	1	2	N
2127108.0	5746107.0	Grenade, hand, smoke, M18 series	1	1	2	N
2126545.4	5746130.1	Grenade, rifle, smoke, M22 series	1	1	2	N
2127859.5	5747305.5	Pyrotechnic mixture, illumination	1	0	2	N
2126735.0	5746350.5	Signal, illumination, ground, M20A1	1	1	2	N

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
2127399.2	5744585.1	Cartridge, 40mm, practice, M781	1	1	3	N
2127697.1	5745081.7	Flare, surface, trip, M49 series	1	1	3	N
2127464.9	5747275.2	Flare, surface, trip, M49 series	1	1	3	N
2127220.5	5745294.6	Fuze, grenade, hand, practice, M205 series	1	1	3	N
2127045.0	5746870.0	Fuze, grenade, hand, practice, M228	1	1	3	N
2127875.5	5747580.1	Fuze, grenade, hand, practice, M228	1	1	3	N
2127910.5	5747615.0	Fuze, grenade, hand, practice, M228	1	1	3	N
2127988.8	5748509.4	Fuze, grenade, hand, practice, M228	1	1	3	N
2127970.3	5749080.1	Fuze, grenade, hand, practice, M228	1	1	3	N
2127904.7	5749165.1	Fuze, grenade, hand, practice, M228	1	1	3	N
2127939.7	5749180.1	Fuze, grenade, hand, practice, M228	1	1	3	N
2126650.7	5746304.5	Grenade, hand, Illumination, MK I	1	1	3	N
2126675.7	5746309.5	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	3	N
2127409.9	5744904.6	Pyrotechnic mixture, illumination	1	1	3	N
2126618.5	5746730.1	Simulator, projectile, airburst, M74 series	1	1	3	N
2127645.3	5748344.9	Flare, parachute, trip, M48	2	1	3	N
2126804.9	5746819.9	Signal, illumination, ground, M125 series	2	1	3	N
2127719.9	5748494.2	Projectile, 37mm, low explosive, MK II	3	1	3	N
2127615.0	5745375.3	Fuze, grenade, hand, M10 series	1	1	4	N
2127590.0	5745390.1	Fuze, grenade, hand, practice, M228	1	1	4	N
2127449.9	5747270.2	Fuze, grenade, hand, practice, M228	1	1	4	N
2127645.0	5746590.0	Signal, ground, rifle, parachute, M17 series	1	1	4	N
2126804.9	5746819.9	Bulk Pyrotechnic mixture (model unknown)	1	0	5	N
2127830.0	5747300.0	Cartridge, 40mm, practice, M781	1	2	6	N
2127830.0	5747300.0	Flare, surface, trip, M49 series	1	1	6	N
2127879.4	5748590.1	Fuze, grenade, hand, practice, M228	1	4	6	N
2127963.8	5748564.4	Fuze, grenade, hand, practice, M228	1	1	6	N
2127099.0	5747202.0	Grenade, hand, riot, CS, M7A3	1	1	6	N
2127525.6	5747494.9	Grenade, hand, riot, CS, M7A3	1	1	6	N
2127474.9	5744909.6	Pyrotechnic mixture, illumination	1	1	6	N
2126504.2	5746934.4	Flare, parachute, trip, M48	2	1	6	N
2126804.9	5746809.9	Flare, parachute, trip, M48	2	1	6	N
2127270.0	5747690.8	Flare, surface, trip, M49 series	1	1	8	N
2127490.9	5746409.3	Grenade, hand, practice, MK II	1	1	8	N
2127465.4	5747681.1	Grenade, hand, smoke, M18 series	1	1	8	N
2127380.9	5747740.9	Signal, illumination, ground, M125 series	2	1	8	N
2127540.4	5746425.3	Projectile, 37mm, low explosive, MK I	3	1	8	N
2127710.0	5747580.1	Grenade, hand, riot, CS, M7A3	1	1	10	N
2127559.8	5745025.2	Simulator, projectile, airburst, M74 series	1	1	10	N
2127049.8	5746010.2	Grenade, hand, riot, CS, M7A3	1	3	12	N
2127134.3	5746240.1	Grenade, hand, riot, CS, M7A3	1	3	12	N
2127465.0	5745885.0	Grenade, hand, riot, CS-1, ABC-M25A2	1	1	12	N

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
2126804.9	5746819.9	Grenade, hand, smoke, HC, AN-M8	1	1	12	N
2127050.2	5746369.9	Simulator, projectile, airburst, M74 series	1	1	12	N
2126569.2	5746919.4	Simulator, projectile, airburst, M74 series	1	20	12	Y
2127520.1	5748264.9	Simulator, projectile, airburst, M74 series	1	1	12	N
2127139.7	5745320.3	Pot, 2.5lb, smoke, HC, screening, M1	1	1	14	N
2127050.0	5746135.0	Cap, blasting, electric, M6	1	77	18	Y
2127045.0	5746170.0	Cap, blasting, electric, M6	1	134	18	Y
2127199.9	5745105.1	Simulator, launching, antitank guided missile and rocket, M22	1	1	18	N
2126849.9	5746804.9	Flare, surface, trip, M49 series	1	1	24	N
2127165.3	5745185.3	Pot, 2.5lb, smoke, HC, screening, M1	1	4	36	Y
2127165.3	5745185.3	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	36	Y
2126859.9	5746819.9	Signal, illumination, ground, parachute, rifle, M19 series	1	1	48	N

Table B-3. MRS-13B Horse Park (97.2 acres) MEC Items Found and Removed

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
2130979.4	5746242.7	Flare, surface, trip, M49 series	1	1	0	N
2129884	5747507	Flare, surface, trip, M49 series	1	1	0	N
2129175.5	5746375.9	Fuze, grenade, hand, M204 series	1	1	0	N
2129522.1	5747182.5	Fuze, grenade, hand, practice, M228	1	1	0	N
2129536.3	5745940.6	Fuze, grenade, hand, practice, M228	1	1	0	N
2130363.1	5746596.4	Signal, smoke, ground, M62 series	1	1	0	N
2129791.6	5747114.4	Signal, smoke, ground, M65 series	1	1	0	N
2130308.7	5747065.7	Signal, smoke, ground, parachute, M129 series	2	1	0	N
2131073.8	5746012.6	Cap, blasting, electric, M6	1	7	0-12	Y
2129119.5	5746371.9	Cartridge, ignition, M2 series	1	1	0-12	N
2129141	5746385	Cartridge, ignition, M2 series	1	1	0-12	N
2129131.5	5746301.9	Cartridge, ignition, M2 series	1	1	0-12	N
2129321.1	5745484.8	Cartridge, ignition, M4 series	1	1	0-12	N
2129284.7	5745402.1	Cartridge, ignition, M4 series	1	1	0-12	N
2129121.5	5746331.9	Cartridge, ignition, M4 series	1	1	0-12	N
2129889	5747513	Flare, surface, trip, M49 series	1	1	0-12	N
2129904.8	5747451.7	Flare, surface, trip, M49 series	1	1	0-12	N
2129856.8	5747479.3	Flare, surface, trip, M49 series	1	1	0-12	N
2128931.2	5746837.6	Flare, surface, trip, M49 series	1	1	0-12	N
2129312.4	5745550.9	Fuze, grenade, hand, M204 series	1	1	0-12	N
2129245.9	5746039.7	Fuze, grenade, hand, practice, M205 series	1	1	0-12	N
2129260.9	5746041.7	Fuze, grenade, hand, practice, M205 series	1	1	0-12	N
2129395.9	5747339.5	Fuze, grenade, hand, practice, M228	1	1	0-12	N
2130935.9	5747010.7	Fuze, grenade, hand, practice, M228	1	1	0-12	N
2129774.8	5747196.3	Fuze, mine, antitank, practice, M604	1	1	0-12	N
2130239.6	5746504.8	Fuze, mine, antitank, practice, M604	1	1	0-12	N
2128865	5746703.2	Grenade, hand, Illumination, MK I	1	1	0-12	N
2128943	5746555.4	Grenade, hand, Illumination, MK I	1	1	0-12	N
2130106.4	5746897	Grenade, hand, Illumination, MK I	1	1	0-12	N
2130282.3	5746881.4	Grenade, hand, Illumination, MK I	1	1	0-12	N
2130321.8	5746902.7	Grenade, hand, Illumination, MK I	1	1	0-12	N
2130504.3	5746859.2	Grenade, hand, practice, M30	1	1	0-12	N
2129806.5	5745937.8	Grenade, hand, practice, M69	1	1	0-12	N
2129931.7	5745910.7	Grenade, hand, practice, M69	1	1	0-12	N

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
2129063.9	5745807.6	Grenade, hand, smoke, M18 series	1	1	0-12	N
2129327.5	5747319	Pyrotechnic mixture, illumination	1	1	0-12	N
2129206.8	5746640.1	Signal, illumination, ground, M125 series	2	1	0-12	N
2130627.2	5747057.9	Signal, Illumination, Ground, Parachute, White Star M127	2	1	0-12	N
2130574.3	5747484.3	Simulator, explosive boobytrap, whistling, M119	1	1	0-12	N
2129257.2	5745930.1	Flare, surface, trip, M49 series	1	1	2	N
2129224.1	5746330.3	Fuze, grenade, hand, practice, M205 series	1	1	2	N
2129234.1	5746335.3	Fuze, grenade, hand, practice, M205 series	1	1	2	N
2129524.5	5745859.4	Firing device, release, M1	1	3	3	Y
2129524.5	5745859.4	Firing device, tension and release, M3	1	1	3	Y
2129988.4	5745704.5	Fuze, grenade, hand, M213	1	3	3	Y
2129224.1	5746345.3	Fuze, grenade, hand, practice, M205 series	1	1	3	N
2129524.5	5745859.4	Fuze, mine, antitank, practice, M604	1	1	3	Y
2129269.1	5746355.3	Cartridge, ignition, M2 series	1	1	6	N
2129269.1	5746385.3	Cartridge, ignition, M2 series	1	1	6	N
2129274.1	5746360.3	Cartridge, ignition, M2 series	1	1	6	N
2129255.5	5746339	Flare, surface, trip, M49 series	1	1	6	N
2129257.1	5745631.1	Fuze, grenade, hand, M204 series	1	1	6	N
2129213.2	5745802.5	Fuze, grenade, hand, M213	1	1	6	N
2129987.4	5745764.5	Fuze, grenade, hand, practice, M205 series	1	1	6	N
2129593.1	5745602.3	Fuze, grenade, hand, practice, M228	1	1	6	N
2129462.3	5745577.8	Grenade, hand, practice, MK II	1	1	6	N
2129437.3	5745572.8	Grenade, hand, smoke, HC, AN-M8	1	1	6	N
2129929.4	5745684.5	Grenade, hand, smoke, M18 series	1	1	6	Y
2129062	5746768.6	Grenade, hand, smoke, M18 series	1	1	6	N
2129246.6	5745979.6	Cartridge, ignition, M2 series	1	1	8	N
2129349	5745869.6	Cartridge, ignition, M2 series	1	1	12	N
2129267.1	5745621.1	Cartridge, ignition, M2 series	1	1	12	N
2129828.9	5747421.9	Flare, surface, trip, M49 series	1	3	12	N
2129336.9	5745812.2	Grenade, hand, smoke, M18 series	1	1	12	N
2131073.8	5746012.6	Cap, blasting, electric, M6	1	5	12-24	Y
2129200.9	5746022.7	Cartridge, ignition, M2 series	1	1	12-24	N
2130365	5746962.3	Flare, surface, trip, M49 series	1	1	12-24	N
2130252	5746854.1	Flare, surface, trip, M49 series	1	1	12-24	N
2130344.1	5746782.2	Flare, surface, trip, M49 series	1	1	12-24	N
2130491.4	5746617.7	Flare, surface, trip, M49 series	1	1	12-24	N
2129236.9	5746037.7	Fuze, grenade, hand, practice, M205 series	1	1	12-24	N
2130600.2	5746883.2	Grenade, hand, Illumination, MK I	1	1	12-24	N
2130710	5746039.6	Grenade, rifle, antitank, M9 series	3	3	12-24	Y

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
2129637.4	5745620	Fuze, grenade, hand, M213	1	3	18	Y
2130867	5746991.9	Base, coupling, firing device	1	4	24-36	Y
2129203.4	5746281.4	Cartridge, ignition, M4 series	1	1	24-36	N
2130867	5746991.9	Firing device, release, M1	1	15	24-36	Y
2130099.8	5746286.2	Flare, surface, trip, M49 series	1	23	24-36	Y
2130292	5746839.1	Simulator, projectile, ground burst, M115A2	2	2	24-36	Y
2129266.6	5745954.6	Simulator, projectile, airburst, M74 series	1	1	30	Y
2129415	5745909.6	Fuze, grenade, hand, M213	1	7	36	Y
2130421.1	5746663.2	Flare, surface, trip, M49 series	1	1	36-48	Y
2129807	5745747.8	Flare, surface, trip, M49 series	1	41	36-48	Y
2129182	5746563.7	Fuze, grenade, hand, practice, M205 series	1	3	36-48	Y
2130834.9	5746987.3	Grenade, hand, practice, MK II	1	1	36-48	Y
2130216.2	5746979.3	Grenade, rifle, smoke, M22 series	1	3	36-48	Y
2130092.8	5746292.2	Grenade, rifle, smoke, M22 series	1	5	36-48	Y
2130227	5746482.7	Pot, smoke, HC, MK III	1	2	36-48	Y
2130421.1	5746663.2	Signal, smoke, ground, parachute, M128A1 series	2	1	36-48	Y
2131073.8	5746012.6	Simulator, projectile, ground burst, M115A2	2	1	36-48	Y
2130867	5746991.9	Firing device, release, M1	1	4	48	Y
2130867	5746991.9	Firing device, tension and release, M3	1	5	48	Y
2130097.8	5746282.2	Flare, parachute, trip, M48	2	6	48	Y
2130316.8	5746831.7	Flare, surface, trip, M49 series	1	2	48	Y
2129140	5746630.2	Fuze, grenade, hand, M204 series	1	2	48	Y
2129157	5746558.7	Fuze, grenade, hand, practice, M205 series	1	2	48	Y

Table B-4. Parker Flats MRA Habitat Reserve (148 acres) MEC Items Found and Removed

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
2125339.9	5746579.9	Base, coupling, firing device	1	1	0	N
2125040.2	5746690.1	Cap, blasting, electric, M6	1	1	0	N
2125633.7	5747104.9	Flare, surface, trip, M49 series	1	1	0	N
2126195.2	5745815.1	Fuze, grenade, hand, practice, M228	1	1	0	N
2125925.3	5746320.2	Grenade, hand, illumination, MK I	1	1	0	N
2126019.8	5745875.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	0	N
2126194.8	5748509.9	Pyrotechnic mixture, illumination	1	0	0	N
2126055.9	5746345.1	Signal, illumination, ground, parachute, rifle, M19 series	1	1	0	N
2126154.8	5746126.4	Signal, illumination, ground, parachute, rifle, M19 series	1	1	0	N
2126250.0	5746820.1	Signal, smoke and illumination, marine, AN-MK13, MOD 0	1	1	0	N
2127109.9	5749454.7	Simulator, projectile, airburst, M74 series	1	1	0	N
2127540.1	5748510.0	Cartridge, 40mm, practice, M781	1	1	1	N
2124449.5	5746470.3	Fuze, grenade, hand, practice, M205 series	1	1	1	N
2124545.7	5746263.9	Fuze, grenade, hand, practice, M205 series	1	1	1	N
2124650.9	5746192.5	Fuze, grenade, hand, practice, M205 series	1	1	1	N
2124791.6	5746193.2	Fuze, grenade, hand, practice, M205 series	1	2	1	N
2124850.6	5746140.5	Fuze, grenade, hand, practice, M205 series	1	1	1	N
2125371.3	5747684.3	Fuze, grenade, hand, practice, M228	1	2	1	N
2125484.8	5746240.2	Fuze, grenade, igniting, M201	1	1	1	N
2124970.3	5746864.8	Fuze, mine, antitank, practice, M604	1	1	1	N
2125270.1	5746070.2	Grenade, hand, practice, M62	1	1	1	N
2127165.5	5749520.0	Grenade, hand, smoke, M18 series	1	1	1	N
2126380.0	5745659.6	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	1	N
2126309.6	5746129.7	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	1	N
2125565.7	5746171.2	Pyrotechnic mixture, illumination	1	1	1	N
2126185.0	5748553.2	Pyrotechnic mixture, illumination	1	0	1	N
2127624.3	5748674.2	Pyrotechnic mixture, smoke	1	0	1	N
2126260.0	5746770.0	Signal, illumination, ground, M125 series	2	1	1	N
2127349.8	5749174.7	Signal, illumination, ground, M126 series	2	1	1	N

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
2125339.9	5746579.9	Firing device, pull, M1	1	1	2	N
2126139.8	5745570.1	Flare, surface, trip, M49 series	1	1	2	N
2126555.6	5745774.6	Flare, surface, trip, M49 series	1	1	2	N
2127449.8	5749434.7	Flare, surface, trip, M49 series	1	1	2	N
2126900.0	5747800.0	Fuze, grenade (model unknown)	1	1	2	N
2124471.6	5746320.9	Fuze, grenade, hand, practice, M205 series	1	1	2	N
2125510.3	5745895.0	Fuze, grenade, hand, practice, M205 series	1	1	2	N
2127010.0	5747809.3	Fuze, grenade, hand, practice, M228	1	1	2	N
2126409.9	5746530.0	Fuze, grenade, hand, practice, M228	1	1	2	N
2127345.7	5748244.6	Grenade, hand, practice, M69	1	1	2	N
2126205.6	5747105.2	Grenade, hand, practice, MK II	1	1	2	N
2125404.8	5746290.2	Grenade, hand, practice, MK II	1	1	2	N
2126270.0	5746755.0	Grenade, hand, practice, MK II	1	1	2	N
2125259.9	5746665.4	Grenade, hand, riot, CS, M7A3	1	1	2	N
2125569.6	5747644.6	Grenade, hand, smoke, M18 series	1	1	2	N
2126144.6	5748538.2	Grenade, hand, smoke, M18 series	1	1	2	N
2126459.7	5745715.2	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	2	N
2126459.7	5745760.2	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	2	N
2126459.8	5745930.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	2	N
2126785.4	5748205.1	Pyrotechnic mixture, illumination	1	0	2	N
2125855.4	5747555.4	Signal, illumination, ground, parachute, rifle, M19 series	1	1	2	N
2127580.1	5748525.0	Signal, illumination, ground, M125 series	2	1	2	N
2126084.8	5747393.9	Projectile, 37mm, low explosive, MK I	3	1	2	N
2127182.8	5748120.8	Projectile, 37mm, low explosive, MK II	3	1	2	N
2126200.0	5748100.0	* FLARE (Model Unknown)	0	1	3	N
2126000.0	5747700.0	* FLARE, M48 (Model Unknown)	0	1	3	N
2126200.0	5748100.0	* GRENADE, SMOKE (Model Unknown)	0	1	3	N
2126365.4	5746770.8	Firing device, pressure, M1A1	1	1	3	N
2126380.4	5746765.8	Firing device, pressure, M1A1	1	1	3	N
2126347.0	5746804.1	Flare, surface, trip, M49 series	1	1	3	N
2126324.8	5747365.3	Flare, surface, trip, M49 series	1	1	3	N
2126260.0	5746780.0	Flare, surface, trip, M49 series	1	1	3	N
2127514.8	5749924.9	Flare, surface, trip, M49 series	1	1	3	N
2126435.3	5747060.3	Fuze, grenade, hand, practice, M205 series	1	1	3	N
2124920.6	5746125.4	Fuze, grenade, hand, practice, M205 series	1	1	3	N
2126105.0	5746825.0	Fuze, grenade, hand, practice, M228	1	2	3	N
2127869.9	5749125.0	Fuze, grenade, hand, practice, M228	1	5	3	Y

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
2125964.8	5747081.0	Grenade, hand, illumination, MK I	1	1	3	N
2124439.5	5746435.3	Grenade, hand, smoke, HC, AN-M8	1	1	3	N
2125335.1	5746340.0	Grenade, hand, smoke, HC, AN-M8	1	1	3	N
2127265.3	5748010.3	Grenade, hand, smoke, M18 series	1	1	3	N
2126235.1	5746374.9	Pyrotechnic mixture, illumination	1	0	3	N
2126385.4	5746785.8	Signal, illumination, M187	1	1	3	N
2127664.8	5748909.9	Simulator, projectile, airburst, M74 series	1	1	3	N
2125545.4	5747795.1	Signal, illumination, ground, M126 series	2	1	3	N
2126549.5	5748689.8	Projectile, 37mm, low explosive, MK II	3	1	3	N
2125375.6	5746805.8	Firing device, release, M5	1	1	4	N
2125925.6	5746965.5	Flare, surface, trip, M49 series	1	1	4	N
2124880.2	5746610.1	Flare, surface, trip, M49 series	1	1	4	N
2125685.5	5745885.5	Flare, surface, trip, M49 series	1	1	4	N
2125225.1	5746589.8	Flare, surface, trip, M49 series	1	1	4	N
2126334.5	5745820.4	Flare, surface, trip, M49 series	1	1	4	N
2126900.0	5747800.0	Fuze, grenade (model unknown)	1	1	4	N
2127030.0	5747844.3	Fuze, grenade, hand, practice, M228	1	1	4	N
2126489.7	5745720.2	Fuze, grenade, hand, practice, M228	1	1	4	N
2126444.7	5746225.1	Fuze, grenade, hand, practice, M228	1	1	4	N
2126530.0	5747424.7	Grenade, hand, practice, MK II	1	1	4	N
2126535.6	5745724.6	Grenade, hand, smoke, M18 series	1	1	4	N
2126529.9	5748860.0	Grenade, rifle, smoke, M22 series	1	1	4	N
2126245.6	5747125.2	Grenade, rifle, smoke, M23 series	1	1	4	N
2125994.8	5746895.3	Projectile, 25mm, subcaliber, M379	1	1	4	N
2126020.1	5746915.1	Projectile, 25mm, subcaliber, M379	1	2	4	N
2126015.1	5746910.1	Projectile, 25mm, subcaliber, M379	1	1	4	N
2126020.1	5746910.1	Projectile, 25mm, subcaliber, M379	1	1	4	N
2126214.4	5746949.9	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	4	N
2125760.0	5745780.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	4	N
2126475.2	5745594.8	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	4	N
2125692.8	5748419.0	Pyrotechnic mixture, illumination	1	0	4	N
2126190.0	5748790.0	Simulator, projectile, airburst, M74 series	1	1	4	N
2125985.3	5746607.2	Charge, nitrostarch, 0.25lb	2	0	4	N
2126190.0	5746485.2	Signal, illumination, ground, M125 series	2	1	4	N
2127445.0	5748209.8	Simulator, projectile, ground burst, M115A2	2	1	4	N
2126300.0	5747300.0	* FUZE, M49 (Model Unknown)	0	1	5	N
2126565.0	5747484.7	Cartridge, ignition, M2 series	1	8	5	N
2126300.0	5747300.0	Fuze, grenade (model unknown)	1	1	5	N
2126364.8	5747729.2	Fuze, grenade, igniting, M201	1	1	5	N
2126469.7	5745730.2	Projectile, 3inch, trench mortar, practice,	1	1	5	N

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
		MK I (Stokes)				
2126900.0	5747800.0	* FLARE (Model Unknown)	0	1	6	N
2126420.4	5747385.0	Cap, blasting, electric, M6	1	1	6	N
2125130.2	5746370.0	Cap, blasting, electric, M6	1	1	6	N
2125239.8	5747004.1	Cartridge, ignition, M2 series	1	1	6	N
2126322.0	5746804.1	Firing device, pressure, M1A1	1	1	6	N
2125360.6	5746820.8	Firing device, pull friction, M2	1	1	6	N
2125270.1	5746455.2	Firing device, tension and release, M3	1	1	6	N
2126235.0	5746880.1	Flare, surface, trip, M49 series	1	1	6	N
2125045.2	5746690.1	Fuze, grenade, hand, practice, M205 series	1	1	6	N
2125743.0	5746871.2	Fuze, grenade, hand, practice, M228	1	1	6	N
2125743.0	5746871.2	Fuze, grenade, hand, practice, M228	1	1	6	N
2125734.9	5746970.3	Grenade, hand, practice, MK II	1	1	6	N
2125633.7	5747154.9	Grenade, hand, riot, CS, M7A3	1	1	6	N
2126245.0	5746855.1	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125330.4	5746250.3	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2125759.6	5745810.5	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	6	N
2124960.3	5746879.8	Pyrotechnic mixture, illumination	1	0	6	N
2125630.0	5747460.3	Signal, illumination, ground, parachute, rifle, M19 series	1	1	6	N
2125424.6	5747374.5	Charge, 0.25lbs, demolition, TNT	2	1	6	N
2126170.0	5746775.0	Charge, 0.5lbs, demolition, TNT	2	1	6	N
2126150.0	5748630.0	Charge, 0.5lbs, demolition, TNT	2	1	6	N
2126030.0	5746875.0	Flare, aircraft, parachute, M9A1	2	1	6	N
2126625.5	5747635.0	Signal, illumination, ground, M125 series	2	1	6	N
2126300.0	5747300.0	* FLARE (Model Unknown)	0	1	8	N
2125284.8	5747032.1	Activator, mine, antitank, practice, M1	1	1	8	N
2125264.8	5747007.1	Firing device, pull, M1	1	12	8	N
2125214.8	5747009.1	Firing device, pull, M1	1	3	8	N
2127245.4	5749440.2	Grenade, hand, smoke, M18 series	1	1	8	N
2126379.9	5745455.5	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	8	N
2125860.5	5745734.9	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	8	N
2125860.0	5747025.0	Flare, aircraft, parachute, M9A1	2	1	8	N
2126130.0	5746650.0	Rocket, 2.36inch, practice, M7	0	1	10	N
2126174.9	5746580.0	Cap, blasting, electric, M6	1	15	10	Y
2125825.5	5745759.9	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	10	N
2126330.2	5748250.0	Projectile, 37mm, low explosive, MK I	3	1	10	N
2126130.0	5746815.0	Cap, blasting, electric, M6	1	3	12	N

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
2125509.6	5747602.6	Cap, blasting, electric, M6	1	1	12	N
2125219.8	5747024.1	Firing device, pressure, M1A1	1	1	12	N
2125229.8	5747074.1	Firing device, pressure, M1A1	1	1	12	N
2125225.6	5746926.6	Firing device, pull, M1	1	1	12	N
2125224.8	5747044.1	Firing device, pull, M1	1	1	12	N
2125249.8	5747064.1	Firing device, pull, M1	1	1	12	N
2125244.8	5747054.1	Firing device, pull, M1	1	2	12	N
2125209.6	5746932.6	Firing device, release, M5	1	2	12	N
2125228.8	5747048.1	Firing device, release, M5	1	1	12	N
2125234.8	5747024.1	Firing device, release, M5	1	1	12	N
2125680.6	5747505.0	Fuze, grenade, hand, practice, M228	1	1	12	N
2125623.7	5747114.9	Grenade, hand, riot, CS, M7A3	1	1	12	N
2126364.8	5747729.2	Grenade, hand, smoke, M18 series	1	1	12	N
2126815.8	5748845.7	Grenade, hand, smoke, M18 series	1	1	12	N
2125229.8	5747034.1	Igniter, time fuse, blasting, M60	1	1	12	N
2126030.0	5746875.0	Pot, 10lb, smoke, HC, screening, M1	1	1	12	N
2127835.0	5749325.0	Pot, 10lb, smoke, HC, screening, M1	1	16	12	Y
2125890.2	5745890.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	3	12	N
2126385.0	5745755.1	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2126410.1	5745644.8	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	12	N
2125515.5	5747155.3	Projectile, 40mm, CS, M651	1	1	12	N
2125989.8	5747091.0	Propellant, 60mm, wafers, mortar	1	1	12	N
2126209.7	5747050.0	Simulator, projectile, airburst, M74 series	1	1	12	Y
2125330.5	5746409.7	Simulator, projectile, airburst, M74 series	1	7	12	Y
2125575.1	5746045.8	Simulator, projectile, airburst, M74 series	1	1	12	N
2126060.0	5746620.0	Simulator, projectile, airburst, M74 series	1	2	12	N
2126185.0	5746685.0	Charge, nitrostarch, 0.25lb	2	0	12	N
2125890.2	5745890.0	Fuze, trench mortar, point detonating, MK VI	2	1	12	N
2126075.0	5748919.7	Signal, illumination, ground, M126 series	2	1	12	N
2127545.3	5749855.0	Fuze, grenade, hand, M10 series	1	37	14	Y
2127197.8	5748145.8	Fuze, grenade, hand, practice, M228	1	1	18	N
2126159.8	5745585.1	Pot, 2.5lb, smoke, HC, screening, M1	1	10	18	N
2126470.2	5745534.8	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	18	N
2125725.0	5747495.0	Simulator, projectile, airburst, M74 series	1	1	19	N
2126425.4	5747315.0	Grenade, hand, smoke, M18 series	1	2	20	N
2125690.6	5747500.0	Flare, surface, trip, M49 series	1	1	24	N
2126120.0	5746695.0	Grenade, rifle, smoke, M22 series	1	1	24	N
2125288.6	5746976.6	Mine, antitank, practice, M10	1	1	24	N
2126215.0	5746820.1	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	24	N
2126670.2	5745684.5	Projectile, 3inch, trench mortar, practice,	1	1	24	N

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
		MK I (Stokes)				
2125347.4	5746936.6	Signal, illumination, ground, parachute, rifle, M19 series	1	1	24	N
2125765.0	5747471.0	Simulator, projectile, airburst, M74 series	1	1	24	N
2126085.0	5746875.0	Cap, blasting, electric, M6	1	6	30	N
2126085.0	5746875.0	Charge, 0.5lbs, demolition, TNT	2	1	30	N
2125330.5	5746459.7	Rocket, 3.5inch, practice, M29 series	0	2	36	N
2125784.9	5746509.7	Cap, blasting, electric, M6	1	1	36	Y
2125404.7	5746654.8	Charge, propelling, M1A1	1	51	36	N
2125658.7	5747725.2	Flare, surface, trip, M49 series	1	1	36	N
2125710.1	5747515.3	Grenade, hand, smoke, M18 series	1	1	36	Y
2126379.1	5747489.1	Pot, 10lb, smoke, HC, screening, M1	1	1	36	N
2125797.0	5747215.0	Pyrotechnic mixture, illumination	1	2	36	N
2126379.1	5747489.1	Pyrotechnic mixture, illumination	1	0	36	N
2125750.3	5748319.9	Simulator, projectile, airburst, M74 series	1	1	36	Y
2125710.1	5747515.3	Simulator, projectile, airburst, M74 series	1	2	36	Y
2125597.5	5747904.4	Fuze, grenade, hand, practice, M228	1	2	38	N
2125814.6	5748505.0	Flare, parachute, trip, M48	2	1	40	N
2125419.7	5747250.7	Cap, blasting, non-electric, M7	1	1	48	N
2125784.9	5746509.7	Cartridge, 35mm, riot control, E-23 (Civilian)	1	2	48	Y
2125419.7	5747250.7	Flare, surface, trip, M49 series	1	1	48	N
2125919.9	5746500.2	Grenade, rifle, smoke, M22 series	1	1	48	N

Table B-5. Veterans Cemetery (102 acres) MEC Items Found and Removed

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
5741500.3	2127000.2	Fuze, grenade, hand, practice, M205 series	1	1	0	N
5742043.6	2126817.8	Fuze, grenade, hand, practice, M228	1	1	0	N
5740845.0	2126885.0	Pyrotechnic mixture, illumination	1	1	0	N
5742596.1	2124983.5	Signal, illumination, ground, parachute, rifle, M19 series	1	1	0	N
5742990.4	2127210.2	Flare, surface, trip, M49 series	1	1	1	N
5742090.2	2126179.5	Fuze, grenade, hand, M204 series	1	1	1	N
5742035.0	2125950.0	Fuze, grenade, hand, practice, M228	1	1	1	N
5743204.9	2126310.0	Simulator, blast, stinger, civilian, M15	2	1	1	N
5741115.5	2127016.3	Cap, blasting, electric, M6	1	3	2	N
5743180.0	2126065.0	Flare, surface, trip, M49 series	1	1	2	N
5741990.0	2126854.3	Flare, surface, trip, M49 series	1	1	2	N
5742755.8	2124616.8	Fuze, grenade, hand, M206 series	1	1	2	N
5741170.5	2127011.3	Fuze, grenade, hand, practice, M205 series	1	1	2	N
5741414.9	2127020.2	Fuze, grenade, hand, practice, M205 series	1	1	2	N
5742081.2	2125280.6	Fuze, grenade, hand, practice, M228	1	1	2	N
5741709.7	2125710.5	Fuze, grenade, hand, practice, M228	1	1	2	N
5741614.7	2125925.2	Fuze, grenade, hand, practice, M228	1	1	2	N
5741614.7	2125975.2	Fuze, grenade, hand, practice, M228	1	1	2	N
5741210.0	2126365.0	Fuze, grenade, hand, practice, M228	1	1	2	N
5741870.0	2127130.0	Fuze, grenade, hand, practice, M228	1	1	2	N
5742335.2	2127340.1	Grenade, hand, Illumination, MK I	1	1	2	N
5741809.7	2125750.1	Signal, illumination, ground, parachute, rifle, M19 series	1	1	2	N
5741889.7	2125715.1	Signal, illumination, ground, parachute, rifle, M19 series	1	1	2	N
5741709.8	2127085.1	Signal, illumination, ground, M126 series	2	1	2	N
5741609.8	2127039.7	Simulator, grenade, hand, M116A1	2	1	2	N
5741714.9	2126779.7	Grenade, rifle, antitank, M9 series	3	1	2	N
5742641.7	2125287.2	Projectile, 40mm, high explosive, M383	3	1	2	N
5741409.9	2127025.2	Fuze, grenade, hand, practice, M205 series	1	2	3	N
5742290.7	2125229.7	Fuze, grenade, hand, practice, M228	1	1	3	N
5741709.7	2125730.5	Fuze, grenade, hand, practice, M228	1	1	3	N
5741260.0	2126290.0	Fuze, grenade, hand, practice, M228	1	1	3	N
5743115.3	2126674.0	Fuze, grenade, hand, practice, M228	1	1	3	N
5741704.8	2127080.1	Fuze, grenade, hand, practice, M228	1	1	3	N
5741820.0	2127120.0	Fuze, grenade, hand, practice, M228	1	1	3	N

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
5742092.8	2125610.7	Grenade, hand, practice, MK II	1	2	3	N
5742651.7	2125267.2	Grenade, hand, riot, CS, M7A3	1	1	3	N
5741790.1	2126095.1	Grenade, hand, smoke, M18 series	1	1	3	N
5742094.8	2127183.6	Grenade, rifle, smoke, M22 series	1	1	3	N
5742625.8	2125649.8	Pyrotechnic mixture, illumination	1	1	3	N
5742456.1	2125159.9	Rocket, 35mm, subcaliber, practice, M73	1	1	3	N
5741670.1	2126415.1	Signal, illumination, AN-M43 series	1	1	3	N
5741715.1	2126425.3	Signal, illumination, AN-M43 series	1	1	3	N
5741715.1	2126425.3	Signal, illumination, AN-M43 series	1	1	3	N
5741715.1	2126425.3	Signal, illumination, AN-M43 series	1	1	3	N
5742114.3	2127226.1	Simulator, projectile, airburst, M74 series	1	1	3	N
5743185.0	2126320.0	Simulator, blast, stinger, civilian, M15	2	1	3	N
5741605.0	2126055.0	Projectile, 20mm, high explosive (model unknown)	3	1	3	N
5742551.1	2124968.5	Fuze, grenade, hand, M10 series	1	2	4	N
5741140.5	2127021.3	Fuze, grenade, hand, practice, M205 series	1	1	4	N
5741230.0	2127019.8	Fuze, grenade, hand, practice, M205 series	1	1	4	N
5741290.0	2127024.8	Fuze, grenade, hand, practice, M205 series	1	1	4	N
5741255.0	2127034.8	Fuze, grenade, hand, practice, M205 series	1	1	4	N
5741679.8	2127029.7	Fuze, grenade, hand, practice, M205 series	1	1	4	N
5741639.8	2127029.7	Fuze, grenade, hand, practice, M205 series	1	1	4	N
5741654.8	2127034.7	Fuze, grenade, hand, practice, M205 series	1	1	4	N
5741780.1	2127130.1	Fuze, grenade, hand, practice, M228	1	1	4	N
5741775.1	2127135.1	Fuze, grenade, hand, practice, M228	1	1	4	N
5742309.9	2125411.0	Grenade, hand, Illumination, MK I	1	1	4	N
5742395.2	2127385.1	Grenade, hand, Illumination, MK I	1	1	4	N
5742489.6	2125519.7	Grenade, hand, practice, M30	1	1	4	N
5742708.9	2125268.9	Grenade, hand, smoke, HC, AN-M8	1	1	4	N
5741714.8	2126335.3	Signal, illumination, AN-M43 series	1	1	4	N
5742950.0	2125049.9	Signal, illumination, ground, parachute, rifle, M19 series	1	1	4	N
5741984.8	2125514.2	Simulator, projectile, airburst, M74 series	1	1	4	N
5743049.5	2125905.4	Fuze, projectile, base detonating, M534A1	2	1	4	N
5742629.6	2125150.0	Fuze, projectile, point detonating, M48 series	2	2	4	N
5743110.3	2126689.0	Fuze, grenade, hand, practice, M228	1	1	5	N
5741545.3	2127020.2	Pot, 2.5lb, smoke, HC, screening, M1	1	1	5	N
5742924.1	2124934.9	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	5	5	N

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
5741150.5	2127026.3	Cartridge, grenade, auxiliary, M7	1	2	6	N
5742914.6	2127509.6	Flare, surface, trip, M49 series	1	1	6	N
5742084.8	2127183.6	Fuze, grenade, hand, M10 series	1	12	6	N
5742175.0	2127170.0	Fuze, grenade, hand, M204 series	1	1	6	N
5742294.6	2127315.2	Fuze, grenade, hand, M204 series	1	1	6	N
5741250.0	2127014.8	Fuze, grenade, hand, practice, M205 series	1	1	6	N
5741270.0	2127014.8	Fuze, grenade, hand, practice, M205 series	1	1	6	N
5741215.0	2127014.8	Fuze, grenade, hand, practice, M205 series	1	6	6	N
5741439.9	2127045.2	Fuze, grenade, hand, practice, M205 series	1	7	6	N
5741624.8	2127024.7	Fuze, grenade, hand, practice, M205 series	1	1	6	N
5742939.6	2127519.6	Fuze, grenade, hand, practice, M205 series	1	1	6	N
5742576.3	2125346.4	Fuze, grenade, hand, practice, M228	1	1	6	N
5742305.0	2125350.0	Fuze, grenade, hand, practice, M228	1	14	6	Y
5742814.8	2125055.0	Fuze, grenade, hand, practice, M228	1	1	6	N
5741719.8	2127090.1	Fuze, grenade, hand, practice, M228	1	1	6	N
5742289.6	2125940.4	Grenade, hand, practice, MK II	1	1	6	N
5742384.9	2125506.4	Grenade, rifle, smoke, M22 series	1	1	6	N
5742739.9	2124784.8	Grenade, rifle, smoke, M22 series	1	1	6	N
5742925.0	2127444.8	Signal, illumination, ground, M20A1	1	1	6	N
5742734.9	2125280.0	Signal, illumination, ground, parachute, rifle, M19 series	1	1	6	N
5741402.9	2127052.2	Fuze, grenade, hand, M206 series	1	2	8	N
5741459.9	2127055.2	Fuze, grenade, hand, practice, M205 series	1	5	8	N
5741419.9	2127050.2	Fuze, grenade, hand, practice, M205 series	1	3	8	N
5742805.0	2125680.0	Fuze, grenade, hand, practice, M228	1	1	8	N
5742833.0	2124878.3	Grenade, hand, smoke, M18 series	1	1	8	Y
5742833.0	2124878.3	Simulator, explosive boobytrap, illumination, M118	1	1	8	Y
5742833.0	2124878.3	Simulator, grenade, hand, M116A1	2	6	8	Y
5742833.0	2124878.3	Simulator, projectile, ground burst, M115A2	2	45	8	Y
5742833.0	2124878.3	Simulator, projectile, ground burst, M115A2	2	3	8	Y
5742744.9	2124719.8	Grenade, hand, fragmentation, MK II	3	1	8	N
5741959.8	2127140.3	Grenade, rifle, smoke, white phosphorous, M19A1	3	1	8	N
5742377.9	2125853.2	Grenade, hand, practice, MK II	1	1	9	N

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
5743095.0	2126650.0	Fuze, grenade, hand, practice, M205 series	1	38	10	Y
5743080.0	2126640.0	Grenade, hand, riot, CS, M7A3	1	1	10	N
5743095.0	2126650.0	Grenade, rifle, smoke, M22 series	1	1	10	Y
5741065.1	2126985.3	Mine, antipersonnel, practice, M8 series	1	1	10	N
5741570.0	2126675.1	Projectile, 75mm, Shrapnel, MK I	3	1	11	N
5742940.0	2125029.9	Cartridge, ignition, M2 series	1	1	12	N
5743095.0	2126660.0	Fuze, grenade, hand, practice, M205 series	1	1	12	N
5742420.3	2125378.9	Fuze, grenade, hand, practice, M228	1	3	12	N
5742420.3	2125378.9	Grenade, hand, practice, M30	1	7	12	Y
5743009.5	2125154.3	Pyrotechnic mixture, illumination	1	1	12	N
5742582.3	2125326.4	Pyrotechnic mixture, illumination	1	0	12	N
5743050.0	2126680.0	Fuze, projectile, point detonating, M48 series	2	1	12	N
5742349.9	2125451.0	Projectile, 75mm, Shrapnel, MK I	3	1	12	N
5742175.1	2126733.7	Projectile, 75mm, Shrapnel, MK I	3	1	12	N
5742709.9	2125235.0	Projectile, 75mm, Shrapnel, MK I	3	1	12	N
5742569.7	2125035.2	Pot, 10lb, smoke, HC, screening, M1	1	2	16	N
5741730.1	2126490.3	Cap, blasting, electric, M6	1	2	18	N
5742573.3	2125331.4	Fuze, grenade, hand, practice, M228	1	1	18	N
5742480.0	2125630.0	Fuze, grenade, hand, practice, M228	1	44	18	Y
5742574.5	2125676.1	Pot, 10lb, smoke, HC, screening, M1	1	2	18	Y
5743219.7	2125850.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	18	N
5742344.9	2125511.4	Pyrotechnic mixture, illumination	1	1	18	N
5742825.0	2124865.3	Simulator, explosive boobytrap, illumination, M118	1	2	18	N
5742825.0	2124865.3	Simulator, projectile, ground burst, M115A2	2	1	18	N
5742582.3	2125342.4	Fuze, grenade, hand, practice, M228	1	1	24	N
5743254.9	2126365.0	Pot, 10lb, smoke, HC, screening, M1	1	1	24	N
5742680.0	2127180.6	Pyrotechnic mixture, illumination	1	1	24	N
5742727.0	2126708.0	Signal, illumination, ground, parachute, rifle, M19 series	1	5	24	Y
5742715.0	2126685.0	Projectile, 75mm, Shrapnel, MK I	3	1	30	N
5742590.5	2125749.8	Fuze, grenade, hand, practice, M205 series	1	11	36	Y
5742830.0	2125605.0	Fuze, grenade, hand, practice, M228	1	300	36	Y

Table B-6. Parker Flats MRA Development Reserve (35.9 acres) MEC Items Found and Removed

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
5741570.2	2127115.2	Flare, surface, trip, M49 series	1	1	1	N
5742729.6	2127595.3	Fuze, grenade, hand, M10 series	1	1	1	N
5743590.0	2127529.9	Fuze, grenade, hand, practice, M228	1	1	1	N
5741921.8	2127584.4	Simulator, explosive boobytrap, flash, M117	1	1	1	N
5740915.6	2127086.0	Grenade, rifle, smoke, white phosphorous, M19A1	3	1	1	N
5740789.8	2127210.2	Fuze, grenade, hand, M10 series	1	1	2	N
5741975.0	2127239.8	Fuze, grenade, hand, M204 series	1	1	2	N
5743340.1	2127544.5	Fuze, grenade, hand, practice, M205 series	1	1	2	N
5740925.6	2127041.0	Fuze, grenade, hand, practice, M228	1	1	2	N
5741884.5	2127214.8	Fuze, grenade, hand, practice, M228	1	1	2	N
5742850.4	2127590.0	Fuze, grenade, hand, practice, M228	1	1	2	N
5744399.9	2127495.1	Fuze, grenade, hand, practice, M228	1	1	2	N
5743585.0	2127554.9	Fuze, grenade, hand, practice, M228	1	1	2	N
5743870.0	2127530.0	Fuze, grenade, hand, practice, M228	1	1	2	N
5744569.8	2127550.3	Fuze, grenade, hand, practice, M228	1	1	2	N
5744649.7	2127605.5	Fuze, grenade, hand, practice, M228	1	1	2	N
5741940.8	2127573.4	Grenade, hand, riot, CS, M7A3	1	1	2	N
5744479.9	2127470.1	Signal, ground, rifle, parachute, M17 series	1	1	2	N
5742670.4	2127579.9	Signal, illumination, ground, M125 series	2	1	2	N
5743050.1	2127610.2	Grenade, hand, smoke, white phosphorous, M15	3	1	2	N
5740835.2	2127185.0	Cartridge, grenade, auxiliary, M7	1	1	3	N
5741510.2	2127110.2	Fuze, grenade, hand, practice, M205 series	1	1	3	N
5743435.1	2127514.5	Fuze, grenade, hand, practice, M205 series	1	1	3	N
5741805.0	2127190.0	Fuze, grenade, hand, practice, M228	1	1	3	N
5740910.6	2127091.0	Fuze, grenade, hand, practice, M205 series	1	1	4	N
5741055.0	2127075.6	Fuze, grenade, hand, practice, M205 series	1	1	4	N
5741155.5	2127086.3	Fuze, grenade, hand, practice, M205 series	1	1	4	N
5742944.6	2127569.6	Fuze, grenade, hand, practice, M205 series	1	1	4	N
5740874.4	2127053.9	Fuze, grenade, hand, practice, M228	1	1	4	N
5740980.0	2127194.8	Fuze, grenade, hand, practice, M228	1	2	4	N
5743515.0	2127519.9	Fuze, grenade, hand, practice, M228	1	1	4	N

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
5742189.8	2127380.0	Grenade, hand, practice, MK II	1	1	4	N
5743689.9	2127614.6	Grenade, hand, smoke, M18 series	1	1	4	N
5740849.4	2127058.9	Signal, illumination, ground, M126 series	2	1	4	N
5741210.0	2127089.8	Grenade, rifle, antitank, M9 series	3	1	4	N
5742024.5	2127265.2	Grenade, rifle, antitank, M9 series	3	1	4	N
5740885.2	2127175.0	Grenade, rifle, smoke, M23 series	1	1	5	N
5740839.4	2127068.9	Flare, surface, trip, M49 series	1	1	6	N
5743740.3	2127439.7	Flare, surface, trip, M49 series	1	1	6	N
5742009.5	2127270.2	Fuze, grenade, hand, M204 series	1	23	6	Y
5741405.2	2127110.3	Fuze, grenade, hand, practice, M205 series	1	1	6	N
5741490.2	2127110.3	Fuze, grenade, hand, practice, M205 series	1	1	6	N
5740829.4	2127053.9	Fuze, grenade, hand, practice, M228	1	1	6	N
5741184.5	2127525.0	Fuze, projectile, combination, M1907	1	1	6	N
5741590.2	2127110.2	Fuze, grenade, hand, practice, M205 series	1	1	8	N
5742964.6	2127579.6	Fuze, grenade, hand, practice, M205 series	1	1	8	N
5741380.0	2127115.3	Signal, ground, rifle, parachute, M17 series	1	1	8	N
5741120.5	2127076.3	Grenade, hand, fragmentation, MK II	3	1	10	N
5744305.0	2127549.5	Fuze, grenade, hand, practice, M228	1	8	26	N
5744484.9	2127415.1	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	3	28	N
5744389.8	2127415.0	Projectile, 3inch, trench mortar, practice, MK I (Stokes)	1	1	36	N

Table B-7. MRS-13B Development Reserve (0.32 acres) MEC Items Found and Removed

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
2129171.3	5744439	Cartridge, ignition, M2 series	1	1	6	N

Table B-8. MST Park and Ride (24.2 acres) MEC Items Found and Removed

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
2129471.1	5745017.4	Fuze, grenade, hand, practice, M228	1	1	0	N
2130111.1	5745309.3	Simulator, detonation, explosive, M80	1	2	0	N
2129772	5745181	Firing device, release, M5	1	1	0-12	N
2129796	5745224.6	Grenade, hand, practice, MK II	1	1	0-12	N
2129804.8	5745227	Grenade, hand, practice, MK II	1	1	0-12	N
2129880.8	5744732.1	Grenade, hand, smoke, HC, AN-M8	1	1	0-12	N
2130010	5745044.9	Grenade, rifle, smoke, M22 series	1	1	0-12	N
2129426.4	5745269.3	Projectile, 22mm, subcaliber, practice, M744	1	1	0-12	N
2129473.9	5744162.6	Signal, illumination, ground, M126 series	2	1	0-12	N
2129388.6	5745067.1	Grenade, hand, smoke, M18 series	1	1	4	N
2129770.2	5744906.1	Flare, surface, trip, M49 series	1	1	5	N
2129680.1	5745262.5	Grenade, hand, practice, M30	1	1	8	N
2129679.7	5745260.4	Grenade, hand, practice, MK II	1	1	10	N
2129416.4	5744115.7	Fuze, grenade, hand, M213	1	1	12	N
2129671.5	5745263.4	Grenade, hand, practice, MK II	1	3	12	Y
2129921.6	5745040.2	Flare, parachute, trip, M48	2	10	18	Y
2129322.2	5744888.8	Flare, surface, trip, M49 series	1	1	18	N
2129921.6	5745040.2	Fuze, grenade, hand, practice, M228	1	3	18	Y
2129921.6	5745040.2	Projectile, 40mm, practice, M382	1	1	18	Y
2129921.6	5745040.2	Signal, illumination, ground, M126 series	2	1	18	Y
2129921.6	5745040.2	Simulator, flash artillery, M110	1	3	18	Y
2129921.6	5745040.2	Squib, electric	1	2	18	Y
2129942.7	5745112	Grenade, rifle, antitank, M9 series	3	12	36	Y

Table B-9. MST Maintenance Center (2.8 acres) MEC Items Found and Removed

Northing	Easting	Item	MEC Hazard Type (1, 2, 3)	Count (No. of items)	Depth (Inches)	Pit (Y or N)
2130117.6	5744429.4	Fuze, grenade, hand, M204 series	1	12	30	Y
2130117.6	5744429.4	Grenade, general purpose, prac, M75	1	5	30	Y

ATTACHMENT C
NARRATIVE DISCUSSION OF RISK SCORES

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C-1. MEC Risk Results for the MPC EVOC Area

C-1.1. Baseline Analysis Results for MPC EVOC Area

Table C-1. MPC EVOC Baseline Analysis for a Trespasser

Proposed Property Reuse	MPC EVOC		
Receptor Type	Trespasser		
Analysis	Baseline		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The MPC EVOC is accessible because the depth of the MEC items in the baseline analysis is on the surface and the level of intrusion of a trespasser is up to 2 feet below ground surface (bgs). The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 4	The Frequency of Entry for a trespasser in the baseline analysis is frequent and the Intensity of Contact with Soil is moderate; therefore, the potential exposure in MPC EVOC is likely because the expected MEC density is high for MEC types 1 and 3 and medium for MEC type 2.
		<i>MEC Type</i> 2	The types of MEC expected in the MPC EVOC area on the surface are grenade fuzes and projectile fuzes, which could cause a major injury to, in extreme cases could kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-2. MPC EVOC Baseline Analysis for a Construction Worker

Proposed Property Reuse	MPC EVOC		
Receptor Type	Construction Worker		
Analysis	Baseline		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The MPC EVOC is accessible because the depth of the MEC items in the baseline analysis is on the surface and the level of intrusion of a construction worker is to five feet below the ground surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 5	The Frequency of Entry is frequent and the Intensity of Contact with Soil is very high; therefore, the potential exposure in MPC EVOC is very likely because the expected MEC density is high for MEC types 1 and 3 and medium for MEC type 2.
		<i>MEC Type</i> 3	The types of MEC expected in the MPC EVOC area below the surface are hand grenades and 37mm projectiles, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-3. MPC EVOC Baseline Analysis for an Outdoor Maintenance Worker

Proposed Property Reuse	MPC EVOC		
Receptor Type	Outdoor Maintenance Worker		
Analysis	Baseline		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The MPC EVOC is accessible because the depth of the MEC items in the baseline analysis is on the surface and the level of intrusion of an outdoor maintenance worker is to three feet below the ground surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 5	The Frequency of Entry is frequent and the Intensity of Contact with Soil is very high; therefore, the potential exposure in MPC EVOC is very likely because the expected MEC density is high for MEC types 1 and 3 and medium for MEC type 2.
		<i>MEC Type</i> 3	The types of MEC expected in the MPC EVOC area below the surface are hand grenades and 37mm projectiles, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-4. MPC EVOC Baseline Analysis for a Recreational User

Proposed Property Reuse	MPC EVOC		
Receptor Type	Recreational User		
Analysis	Baseline		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The MPC EVOC is accessible because the depth of the MEC items in the baseline analysis is on the surface and the level of intrusion of a recreational user is up to 1 foot bgs. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 4	The Frequency of Entry is frequent for the recreational user in the baseline analysis and the Intensity of Contact with Soil is low; therefore, the potential exposure in MPC EVOC may be likely because the expected MEC density is high for MEC type 1 and medium for MEC types 2 and 3.
		<i>MEC Type</i> 2	The types of MEC expected in the MPC EVOC area on the surface are grenade fuzes and projectile fuzes, which could cause a major injury to, in extreme cases could kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-5. MPC EVOC Baseline Analysis for an Indoor Worker

Proposed Property Reuse	MPC EVOC		
Receptor Type	Indoor Worker		
Analysis	Baseline		
MEC Risk Score	D	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The MPC EVOC is accessible because the depth of the MEC items in the baseline analysis is on the surface and the level of intrusion of an indoor worker is on the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 3	The Frequency of Entry is frequent and the Intensity of Contact with Soil is very low; therefore, the potential exposure in MPC EVOC may be because the expected MEC density is medium for MEC type 1 and low for MEC type 2. There are no MEC type 3 items on the surface of the MPC EVOC area.
		<i>MEC Type</i> 1	The types of MEC expected in the MPC EVOC area on the surface are grenade fuzes and smoke grenades, which could cause a minor injury to, in extreme cases, could cause a major injury or kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-6. MPC EVOC Baseline Analysis for a Student or Faculty Member

Proposed Property Reuse	MPC EVOC		
Receptor Type	Student/Faculty		
Analysis	Baseline		
MEC Risk Score	D	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The MPC EVOC is accessible because the depth of the MEC items in the baseline analysis is on the surface and the level of intrusion of a student or faculty member is on the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 4	The Frequency of Entry is frequent and the Intensity of Contact with Soil is low; therefore, the potential exposure in MPC EVOC is likely because the expected MEC density is high for MEC types 1 and 3 and medium for MEC type 2
		<i>MEC Type</i> 1	The types of MEC expected in the MPC EVOC area below the surface are hand grenades and 37mm projectiles, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

C-1.2. After-Action Analysis Results for MPC EVOC Area

Table C-7. MPC EVOC After-Action Analysis for a Trespasser

Proposed Property Reuse	MPC EVOC		
Receptor Type	Trespasser		
Analysis	After-Action		
MEC Risk Score	A	<i>Accessibility</i> 1	<ul style="list-style-type: none"> The MPC EVOC is not accessible because 100% of the surface to one-foot MEC items found have been removed in the after-action analysis and the level of intrusion of a trespasser is on the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 1	The Frequency of Entry is infrequent and the Intensity of Contact with Soil is low; therefore, the potential exposure in MPC EVOC is not likely because the 100% of the surface to one-foot MEC items found have been removed in the after-action analysis. There are no MEC type 3 items on the surface of the MPC EVOC area.
		<i>MEC Type</i> 1	The types of MEC potentially remaining in the MPC EVOC area on the surface are grenade fuzes and smoke grenades, which could cause a minor injury to, in extreme cases, could cause a major injury or kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-8. MPC EVOC After-Action Analysis for a Construction Worker

Proposed Property Reuse	MPC EVOC		
Receptor Type	Construction Worker		
Analysis	After-Action		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The MPC EVOC is accessible because the depth of the MEC items in the after-action analysis is greater than one-foot below the surface and the level of intrusion of a construction worker is to five feet below the ground surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 5	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in MPC EVOC is very likely because the potential residual MEC density is high for MEC types 1 and 3 and low for MEC type 2.
		<i>MEC Type</i> 3	The types of MEC potentially remaining in the MPC EVOC area below the surface are hand grenades and 37mm projectiles, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-9. MPC EVOC After-Action Analysis for an Outdoor Maintenance Worker

Proposed Property Reuse	MPC EVOC		
Receptor Type	Outdoor Maintenance Worker		
Analysis	After-Action		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The MPC EVOC is accessible because the depth of the MEC items in the after-action analysis is greater than one-foot below the surface and the level of intrusion of an outdoor maintenance worker is to three feet below the ground surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 5	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in MPC EVOC is very likely because the potential residual MEC density is high for MEC types 1 and 3 and low for MEC type 2.
		<i>MEC Type</i> 3	The types of MEC potentially remaining in the MPC EVOC area below the surface are hand grenades and 37mm projectiles, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-10. MPC EVOC After-Action Analysis for a Recreational User

Proposed Property Reuse	MPC EVOC		
Receptor Type	Recreational User		
Analysis	After-Action		
MEC Risk Score	A	<i>Accessibility</i> 1	<ul style="list-style-type: none"> The MPC EVOC is not accessible because 100% of the surface to one-foot MEC items found have been removed in the after-action analysis and the level of intrusion of a recreational user is on the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 1	The Frequency of Entry is occasional and the Intensity of Contact with Soil is very low; therefore, the potential exposure in MPC EVOC is not likely because the 100% of the surface to one-foot MEC items found have been removed in the after-action analysis. There are no MEC type 3 items on the surface of the MPC EVOC area.
		<i>MEC Type</i> 2	The types of MEC potentially remaining in the MPC EVOC area on the surface are grenade fuzes and projectile fuzes, which could cause a major injury to, in extreme cases could kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-11. MPC EVOC After-Action Analysis for an Indoor Worker

Proposed Property Reuse	MPC EVOC		
Receptor Type	Indoor Worker		
Analysis	After-Action		
MEC Risk Score	A	<i>Accessibility</i> 1	<ul style="list-style-type: none"> The MPC EVOC is not accessible because 100% of the surface to one-foot MEC items found have been removed in the after-action analysis and the level of intrusion of indoor worker is on the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 1	The Frequency of Entry is frequent and the Intensity of Contact with Soil is very low; therefore, the potential exposure in MPC EVOC is not likely because the 100% of the surface to one-foot MEC items found have been removed in the after-action analysis. There are no MEC type 3 items on the surface of the MPC EVOC area.
		<i>MEC Type</i> 2	The types of MEC potentially remaining in the MPC EVOC area on the surface are grenade fuzes and projectile fuzes, which could cause a major injury to, in extreme cases could kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-12. MPC EVOC After-Action Analysis for a Student or Faculty Member

Proposed Property Reuse	MPC EVOC		
Receptor Type	Student/Faculty		
Analysis	After-Action		
MEC Risk Score	A	<i>Accessibility</i> 1	<ul style="list-style-type: none"> The MPC EVOC is not likely to be accessible because 100% of the MEC items found between the surface and one-foot have been removed in the after-action analysis and the level of intrusion of a student or faculty member is on the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 1	The Frequency of Entry is frequent and the Intensity of Contact with Soil is low; therefore, the potential exposure in MPC EVOC is not likely because 100% of the surface to one-foot MEC items found have been removed in the after-action analysis.
		<i>MEC Type</i> 1	The types of MEC potentially remaining in the MPC EVOC area on the surface are grenade fuzes and smoke grenades, which could cause a minor injury to, in extreme cases, could cause a major injury or kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

C-2. MEC Risk Results for the Parker Flats MRA Horse Park

C-2.1. *Baseline Analysis Results for Parker Flats MRA Horse Park*

Table C-13. Parker Flats MRA Horse Park Baseline Analysis for a Trespasser

Proposed Property Reuse	Horse Park		
Receptor Type	Trespasser		
Analysis	Baseline		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Horse Park is accessible because the depth of the MEC items in the baseline analysis is on the surface and the level of intrusion of a trespasser is up to 2 foot bgs. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 3	The Frequency of Entry is frequent and the Intensity of Contact with Soil is moderate for the baseline analysis; therefore, there may be potential exposure in the Horse Park because the expected MEC density is high for MEC type 1, medium for MEC type 2, and low for MEC Type 3.
		<i>MEC Type</i> 3	The types of MEC expected in the Horse Park below the surface are hand grenades and 37mm projectiles, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-14. Parker Flats MRA Horse Park Baseline Analysis for a Construction Worker

Proposed Property Reuse	Horse Park		
Receptor Type	Construction Worker		
Analysis	Baseline		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Horse Park is accessible because the depth of the MEC items in the baseline analysis is on the surface and the level of intrusion of a construction worker is to five feet below the ground surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 4	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Horse Park is likely because the expected MEC density is high for MEC type 1, medium for MEC type 2, and low for MEC Type 3.
		<i>MEC Type</i> 3	The types of MEC expected in the Horse Park below the surface are hand grenades and 37mm projectiles, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-15. Parker Flats MRA Horse Park Baseline Analysis for an Outdoor Maintenance Worker

Proposed Property Reuse	Horse Park		
Receptor Type	Outdoor Maintenance Worker		
Analysis	Baseline		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Horse Park is accessible because the depth of the MEC items in the baseline analysis is on the surface and the level of intrusion of an outdoor maintenance worker is to three feet below the ground surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 4	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Horse Park is likely because the expected MEC density is high for MEC type 1, medium for MEC type 2, and low for MEC Type 3.
		<i>MEC Type</i> 3	The types of MEC expected in the Horse Park below the surface are hand grenades and 37mm projectiles, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-16. Parker Flats MRA Horse Park Baseline Analysis for a RV Camper

Proposed Property Reuse	Horse Park		
Receptor Type	RV Camper		
Analysis	Baseline		
MEC Risk Score	D	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Horse Park is accessible because the depth of the MEC items in the baseline analysis is on the surface and the level of intrusion of an RV Camper on the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 4	The Frequency of Entry is frequent and the Intensity of Contact with Soil is medium; therefore, the potential exposure in the Horse Park is likely because the expected MEC density is medium for MEC type 1 and low for MEC Type 2. There are no MEC type 3 items on the surface of the Horse Park.
		<i>MEC Type</i> 2	The types of MEC expected in the Horse Park on the surface are illumination signals and flares, which could cause a major injury to, in extreme cases could kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-17. Parker Flats MRA Horse Park Baseline Analysis for a Recreational Horseback Rider

Proposed Property Reuse	Horse Park		
Receptor Type	Recreational Horseback Rider		
Analysis	Baseline		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Horse Park is accessible because the depth of the MEC items in the baseline analysis is on the surface and the level of intrusion of a recreational horseback rider is up to one foot below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 4	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Horse Park is likely because the expected MEC density is high for MEC type 1, medium for MEC type 2, and low for MEC Type 3.
		<i>MEC Type</i> 3	The types of MEC expected in the Horse Park below the surface are hand grenades and 37mm projectiles, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

C-2.2. After-Action Analysis Results for Parker Flats MRA Horse Park

Table C-18. Parker Flats MRA Horse Park After-Action Analysis for a Trespasser

Proposed Property Reuse	Horse Park		
Receptor Type	Trespasser		
Analysis	After-Action		
MEC Risk Score	B	<i>Accessibility</i> 3	<ul style="list-style-type: none"> The Horse Park may be accessible because the depth of the MEC items in the after-action analysis is greater than one-foot below the surface and the level of intrusion of a trespasser is up to one foot below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 1	The Frequency of Entry is infrequent and the Intensity of Contact with Soil is medium; therefore, the potential exposure in the Horse Park is not likely because 100% of the surface to one-foot MEC items found have been removed in the after-action analysis.
		<i>MEC Type</i> 3	The types of MEC potentially remaining in the Horse Park below the surface are hand grenades and 37mm projectiles, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-19. Parker Flats MRA Horse Park After-Action Analysis for a Construction Worker

Proposed Property Reuse	Horse Park		
Receptor Type	Construction Worker		
Analysis	After-Action		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Horse Park is accessible because the depth of the MEC items in the after-action analysis is greater than one-foot below the surface and the level of intrusion of a construction worker is to five feet below the ground surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 4	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Horse Park is likely because the potential residual MEC density is high for MEC type 1 and low for MEC types 2 and 3.
		<i>MEC Type</i> 3	The types of MEC potentially remaining in the Horse Park below the surface are hand grenades and 37mm projectiles, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-20. Parker Flats MRA Horse Park After-Action Analysis for an Outdoor Maintenance Worker

Proposed Property Reuse	Horse Park		
Receptor Type	Outdoor Maintenance Worker		
Analysis	After-Action		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Horse Park is accessible because the depth of the MEC items in the after-action analysis is greater than one-foot below the surface and the level of intrusion of an outdoor maintenance worker is to three feet below the ground surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 4	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Horse Park is likely because the potential residual MEC density is medium for MEC type 1 and low for MEC types 2 and 3.
		<i>MEC Type</i> 3	The types of MEC potentially remaining in the Horse Park below the surface are hand grenades and 37mm projectiles, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-21. Parker Flats MRA Horse Park After-Action Analysis for a RV Camper

Proposed Property Reuse	Horse Park		
Receptor Type	RV Camper		
Analysis	After-Action		
MEC Risk Score	A	<i>Accessibility</i> 1	<ul style="list-style-type: none"> The Horse Park is not accessible because 100% of the surface to one-foot MEC items found have been removed in the after-action analysis and the level of intrusion of a RV camper is on the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 1	The Frequency of Entry is frequent and the Intensity of Contact with Soil is medium; therefore, the potential exposure in the Horse Park is not likely because 100% of the surface to one-foot MEC items found have been removed in the after-action analysis. There are no MEC type 3 items on the surface of the Horse Park.
		<i>MEC Type</i> 2	The types of MEC potentially remaining in the Horse Park on the surface are illumination signals and flares, which could cause a major injury to, in extreme cases could kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-22. Parker Flats MRA Horse Park After-Action Analysis for a Recreational Horseback Rider

Proposed Property Reuse	Horse Park		
Receptor Type	Recreational Horseback Rider		
Analysis	After-Action		
MEC Risk Score	B	<i>Accessibility</i> 3	<ul style="list-style-type: none"> The Horse Park may be accessible because 100% of the surface to one-foot MEC items found have been removed in the after-action analysis and the level of intrusion of a Recreational Horseback Rider is to one-foot below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 1	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Horse Park is not likely because the 100% of the surface to one-foot MEC items found have been removed in the after-action analysis. There are no MEC type 3 items on the surface of the Horse Park.
		<i>MEC Type</i> 3	The types of MEC potentially remaining in the Horse Park below the surface are hand grenades and 37mm projectiles, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

C-3. MEC Risk Results for the MRS-13B Horse Park

C-3.1. *Baseline Analysis Results for MRS-13B Horse Park*

Table C-23. MRS-13B Horse Park Baseline Analysis for a Trespasser

Proposed Property Reuse	Horse Park		
Receptor Type	Trespasser		
Analysis	Baseline		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Horse Park is accessible because the depth of the MEC items in the baseline analysis is on the surface for MEC types 1 and 2 and below the surface for MEC type 3 and the level of intrusion of a trespasser is up to 2 foot bgs. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 3	The Frequency of Entry is frequent and the Intensity of Contact with Soil is moderate for the baseline analysis; therefore, the potential exposure in the Horse Park is moderate because the expected MEC density is high for MEC type 1 and low for MEC Types 2 and 3.
		<i>MEC Type</i> 3	The types of MEC expected in the Horse Park below the surface are rifle grenades and 37mm projectiles, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-24. MRS-13B Horse Park Baseline Analysis for a Construction Worker

Proposed Property Reuse	Horse Park		
Receptor Type	Construction Worker		
Analysis	Baseline		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Horse Park is accessible because the depth of the MEC items in the baseline analysis is on the surface for MEC types 1 and 2 and below the surface for MEC type 3 and the level of intrusion of a construction worker is to five feet below the ground surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 4	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Horse Park is likely because the expected MEC density is high for MEC type 1 and low for MEC Types 2 and 3.
		<i>MEC Type</i> 3	The types of MEC expected in the Horse Park below the surface are rifle grenades and 37mm projectiles, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-25. MRS-13B Horse Park Baseline Analysis for an Outdoor Maintenance Worker

Proposed Property Reuse	Horse Park		
Receptor Type	Outdoor Maintenance Worker		
Analysis	Baseline		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Horse Park is accessible because the depth of the MEC items in the baseline analysis is on the surface for MEC types 1 and 2 and below the surface for MEC type 3 and the level of intrusion of an outdoor maintenance worker is to three feet below the ground surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 4	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Horse Park is likely because the expected MEC density is high for MEC type 1 and low for MEC Types 2 and 3.
		<i>MEC Type</i> 3	The types of MEC expected in the Horse Park below the surface are rifle grenades and 37mm projectiles, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-26. MRS-13B Horse Park Baseline Analysis for a RV Camper

Proposed Property Reuse	Horse Park		
Receptor Type	RV Camper		
Analysis	Baseline		
MEC Risk Score	D	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Horse Park is accessible because the depth of the MEC items in the baseline analysis is on the surface for MEC types 1 and 2 and below the surface for MEC type 3 and the level of intrusion of an RV Camper on the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 3	The Frequency of Entry is frequent and the Intensity of Contact with Soil is medium; therefore, the potential exposure in the Horse Park is moderate because the expected MEC density is low for MEC type 1 and MEC Type 2. There are no MEC type 3 items on the surface of the Horse Park.
		<i>MEC Type</i> 2	The types of MEC expected in the Horse Park on the surface are illumination signals and flares, which could cause a major injury to, in extreme cases could kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-27. MRS-13B Horse Park Baseline Analysis for a Recreational Horseback Rider

Proposed Property Reuse	Horse Park		
Receptor Type	Recreational Horseback Rider		
Analysis	Baseline		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Horse Park is accessible because the depth of the MEC items in the baseline analysis is on the surface for MEC types 1 and 2 and below the surface for MEC type 3 and the level of intrusion of a recreational horseback rider is up to one foot below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 4	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Horse Park is likely because the expected MEC density is high for MEC type 1 and low for MEC Types 2 and 3.
		<i>MEC Type</i> 3	The types of MEC expected in the Horse Park below the surface are rifle grenades and 37mm projectiles, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

C-3.2. After-Action Analysis Results for MRS-13B Horse Park

Table C-28. MRS-13B Horse Park After-Action Analysis for a Trespasser

Proposed Property Reuse	Horse Park		
Receptor Type	Trespasser		
Analysis	After-Action		
MEC Risk Score	A	<i>Accessibility</i> 3	<ul style="list-style-type: none"> The Horse Park may be accessible because the depth of the MEC items in the after-action analysis is greater than one-foot below the surface and the level of intrusion of a trespasser is up to one foot below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 1	The Frequency of Entry is infrequent and the Intensity of Contact with Soil is medium; therefore, the potential exposure in the Horse Park is not likely because 100% of the surface to one-foot MEC items found have been removed in the after-action analysis.
		<i>MEC Type</i> 2	The types of MEC potentially remaining in the Horse Park are illumination signals and flares, which could cause a major injury to, in extreme cases could kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fused (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-29. MRS-13B Horse Park After-Action Analysis for a Construction Worker

Proposed Property Reuse	Horse Park		
Receptor Type	Construction Worker		
Analysis	After-Action		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Horse Park is accessible because the depth of the MEC items in the after-action analysis is greater than one-foot below the surface and the level of intrusion of a construction worker is to five feet below the ground surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 4	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Horse Park is likely because the potential residual MEC density is medium for MEC type 1 and low for MEC type 2. All MEC Type 3 items were removed for the after action scenario.
		<i>MEC Type</i> 2	The types of MEC potentially remaining in the Horse Park are illumination signals and flares, which could cause a major injury to, in extreme cases could kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fused (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-30. MRS-13B Horse Park After-Action Analysis for an Outdoor Maintenance Worker

Proposed Property Reuse	Horse Park		
Receptor Type	Outdoor Maintenance Worker		
Analysis	After-Action		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Horse Park is accessible because the depth of the MEC items in the after-action analysis is greater than one-foot below the surface and the level of intrusion of an outdoor maintenance worker is to three feet below the ground surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 4	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Horse Park is likely because the potential residual MEC density is medium for MEC type 1 and low for MEC type 2. All MEC Type 3 items were removed for the after action scenario.
		<i>MEC Type</i> 3	The types of MEC potentially remaining in the Horse Park are illumination signals and flares, which could cause a major injury to, in extreme cases could kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-31. MRS-13B Horse Park After-Action Analysis for a RV Camper

Proposed Property Reuse	Horse Park		
Receptor Type	RV Camper		
Analysis	After-Action		
MEC Risk Score	A	<i>Accessibility</i> 1	<ul style="list-style-type: none"> The Horse Park is not accessible because 100% of the surface to one-foot MEC items found have been removed in the after-action analysis and the level of intrusion of a RV camper is on the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 1	The Frequency of Entry is frequent and the Intensity of Contact with Soil is medium; therefore, the potential exposure in the Horse Park is not likely because 100% of the surface to one-foot MEC items found have been removed in the after-action analysis. There are no MEC type 3 items on the surface of the Horse Park.
		<i>MEC Type</i> 2	The types of MEC potentially remaining in the Horse Park are illumination signals and flares, which could cause a major injury to, in extreme cases could kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-32. MRS-13B Horse Park After-Action Analysis for a Recreational Horseback Rider

Proposed Property Reuse	Horse Park		
Receptor Type	Recreational Horseback Rider		
Analysis	After-Action		
MEC Risk Score	A	<i>Accessibility</i> 3	<ul style="list-style-type: none"> The Horse Park may be accessible because 100% of the surface to one-foot MEC items found have been removed in the after-action analysis and the level of intrusion of a Recreational Horseback Rider is to one-foot below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 1	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Horse Park is not likely because the 100% of the surface to one-foot MEC items found have been removed in the after-action analysis. There are no MEC type 3 items on the surface of the Horse Park.
		<i>MEC Type</i> 2	The types of MEC potentially remaining in the Horse Park are illumination signals and flares, which could cause a major injury to, in extreme cases could kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fused (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

C-4. MEC Risk Results for the Parker Flats MRA Habitat Reserve

C-4.1. Baseline Analysis Results for the Parker Flats MRA Habitat Reserve

Table C-33. Parker Flats MRA Habitat Reserve Baseline Analysis for a Trespasser

Proposed Property Reuse	Habitat Reserve		
Receptor Type	Trespasser		
Analysis	Baseline		
MEC Risk Score	E	Accessibility 5	<ul style="list-style-type: none"> The Habitat Reserve is accessible because the depth of the MEC items in the baseline analysis is on the surface and the level of intrusion of a trespasser is up to two feet below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		Exposure 4	The Frequency of Entry is frequent and the Intensity of Contact with Soil is medium; therefore, the potential exposure in the Habitat Reserve is likely because the expected MEC density is high for MEC type 1 and medium for MEC type 2 and low for MEC type 3.
		MEC Type 3	The types of MEC expected in the Habitat Reserve below the surface are hand grenades and 37mm projectiles, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		Data Quality	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-34. Parker Flats MRA Habitat Reserve Baseline Analysis for a Construction Worker

Proposed Property Reuse	Habitat Reserve		
Receptor Type	Construction Worker		
Analysis	Baseline		
MEC Risk Score	E	Accessibility 5	<ul style="list-style-type: none"> The Habitat Reserve is accessible because the depth of the MEC items in the baseline analysis is on the surface and the level of intrusion of a construction worker is up to five feet below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		Exposure 5	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Habitat Reserve is high because the expected MEC density is high for MEC type 1 and medium for MEC types 2 and 3.
		MEC Type 3	The types of MEC expected in the Habitat Reserve below the surface are hand grenades and 37mm projectiles, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		Data Quality	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-35. Parker Flats MRA Habitat Reserve Baseline Analysis for a Recreational User

Proposed Property Reuse	Habitat Reserve		
Receptor Type	Recreational User		
Analysis	Baseline		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Habitat Reserve is accessible because the depth of the MEC items in the baseline analysis is on the surface and the level of intrusion of a recreational user is up to one foot below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 4	The Frequency of Entry is frequent and the Intensity of Contact with Soil is low; therefore, the potential exposure in the Habitat Reserve is likely because the expected MEC density is high for MEC type 1, medium for MEC type 2, and low for MEC type 3.
		<i>MEC Type</i> 2	The types of MEC expected in the Habitat Reserve down to one foot bgs are illumination signals and flares, which could cause a major injury to, in extreme cases could kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fused (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-36. Parker Flats MRA Habitat Reserve Baseline Analysis for a Habitat Monitor

Proposed Property Reuse	Habitat Reserve		
Receptor Type	Habitat Monitor		
Analysis	Baseline		
MEC Risk Score	E	<i>Accessibility</i> 4	<ul style="list-style-type: none"> The Habitat Reserve is potentially accessible because the depth of the MEC items in the baseline analysis just below the surface and the level of intrusion of a habitat monitor is on the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 4	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Habitat Reserve is likely because the expected MEC density is low for MEC types 1. There are no MEC types 2 and 3 items on the surface of the Habitat Reserve.
		<i>MEC Type</i> 2	The types of MEC expected in the Habitat Reserve on the surface are illumination signals and flares, which could cause a major injury to, in extreme cases could kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fused (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-37. Parker Flats MRA Habitat Reserve Baseline Analysis for a Habitat Worker

Proposed Property Reuse	Habitat Reserve		
Receptor Type	Habitat Worker		
Analysis	Baseline		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Habitat Reserve is accessible because the depth of the MEC items in the baseline analysis is on the surface and the level of intrusion of a habitat worker is up to two feet below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 4	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Habitat Reserve is likely because the expected MEC density is high for MEC type 1, medium for MEC type 2, and low for MEC type 3.
		<i>MEC Type</i> 3	The types of MEC expected in the Habitat Reserve below the surface are hand grenades and 37mm projectiles, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

C-4.2. After-Action Analysis Results for the Parker Flats MRA Habitat Reserve

Table C-38. Parker Flats MRA Habitat Reserve After-Action Analysis for a Trespasser

Proposed Property Reuse	Habitat Reserve		
Receptor Type	Trespasser		
Analysis	After-Action		
MEC Risk Score	A	<i>Accessibility</i> 1	<ul style="list-style-type: none"> The Habitat Reserve is not accessible because 100% of the surface to one-foot MEC items found have been removed in the after-action analysis and the level of intrusion of a trespasser is up to one foot below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 1	The Frequency of Entry is occasional and the Intensity of Contact with Soil is medium; therefore, the potential exposure in the Habitat Reserve is not likely because 100% of the surface to one-foot MEC items found have been removed in the after-action analysis.
		<i>MEC Type</i> 3	The types of MEC potentially remaining in the Habitat Reserve down to one foot bgs are illumination signals and flares, which could cause a major injury to, in extreme cases could kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-39. Parker Flats MRA Habitat Reserve After-Action Analysis for a Construction Worker

Proposed Property Reuse	Habitat Reserve		
Receptor Type	Construction Worker		
Analysis	After-Action		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Habitat Reserve is accessible because the depth of the MEC items in the after-action analysis is greater than one-foot below the surface and the level of intrusion of a construction worker is up to five feet below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 4	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Habitat Reserve is likely because the potential residual MEC density is high for MEC type 1, medium for MEC types 2 and low for MEC type 3.
		<i>MEC Type</i> 3	The types of MEC potentially remaining in the Habitat Reserve below the surface are hand grenades and 37mm projectiles, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-40. Parker Flats MRA Habitat Reserve After-Action Analysis for a Recreational User

Proposed Property Reuse	Habitat Reserve		
Receptor Type	Recreational User		
Analysis	After-Action		
MEC Risk Score	A	<i>Accessibility</i> 1	<ul style="list-style-type: none"> The Habitat Reserve is not accessible because 100% of the surface to one-foot MEC items found have been removed in the after-action analysis and the level of intrusion of a recreational user is up to one foot below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 1	The Frequency of Entry is occasional and the Intensity of Contact with Soil is medium; therefore, the potential exposure in the Habitat Reserve is not likely because 100% of the surface to one-foot MEC items found have been removed in the after-action analysis.
		<i>MEC Type</i> 3	The types of MEC potentially remaining in the Habitat Reserve below the surface are hand grenades and 37mm projectiles, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-41. Parker Flats MRA Habitat Reserve After-Action Analysis for a Habitat Monitor

Proposed Property Reuse	Habitat Reserve		
Receptor Type	Habitat Monitor		
Analysis	After-Action		
MEC Risk Score	A	<i>Accessibility</i> 1	<ul style="list-style-type: none"> The Habitat Reserve is not accessible because 100% of the surface to one-foot MEC items found have been removed in the after-action analysis and the level of intrusion of a habitat monitor is on the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 1	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Habitat Reserve is not likely because the 100% of the surface to one-foot MEC items found have been removed in the after-action analysis. There are no MEC type 3 items on the surface of the Habitat Reserve.
		<i>MEC Type</i> 3	The types of MEC potentially remaining in the Habitat Reserve below the surface are hand grenades and 37mm projectiles, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-42. Parker Flats MRA Habitat Reserve After-Action Analysis for a Habitat Worker

Proposed Property Reuse	Habitat Reserve		
Receptor Type	Habitat Worker		
Analysis	After-Action		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Habitat Reserve is accessible because the depth of the MEC items in the after-action analysis is greater than one-foot below the surface and the level of intrusion of a habitat worker is up to two feet below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 4	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Habitat Reserve is likely because the potential residual MEC density is high for MEC type 1 and low for MEC types 2 and 3.
		<i>MEC Type</i> 3	The types of MEC potentially remaining in the Habitat Reserve below the surface are hand grenades and 37mm projectiles, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

C-5. MEC Risk Results for the Veterans Cemetery

C-5.1. *Baseline Analysis Results for the Veterans Cemetery*

Table C-43. Veterans Cemetery Baseline Analysis for a Trespasser

Proposed Property Reuse	Veterans Cemetery		
Receptor Type	Trespasser		
Analysis	Baseline		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Veterans Cemetery is accessible because the depth of the MEC items in the baseline analysis is on the surface and the level of intrusion of a trespasser is up to two feet bgs. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 4	The Frequency of Entry is frequent and the Intensity of Contact with Soil is medium; therefore, the potential exposure in the Veterans Cemetery is likely because the expected MEC density is high for MEC type 1 and medium for MEC Types 2 and 3.
		<i>MEC Type</i> 3	The types of MEC expected in the Veterans Cemetery below the surface are hand grenades and 40mm projectiles, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-44. Veterans Cemetery Baseline Analysis for a Construction Worker

Proposed Property Reuse	Veterans Cemetery		
Receptor Type	Construction Worker		
Analysis	Baseline		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Veterans Cemetery is accessible because the depth of the MEC type 3 items in the baseline analysis is below the surface and the level of intrusion of a construction worker is up to five feet below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 5	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Veterans Cemetery is very likely because the expected MEC density is high for MEC type 1 and medium for MEC types 2 and 3.
		<i>MEC Type</i> 3	The types of MEC expected in the Veterans Cemetery below the surface are hand grenades and 40mm projectiles, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-45. Veterans Cemetery Baseline Analysis for an Outdoor Maintenance Worker

Proposed Property Reuse	Veterans Cemetery		
Receptor Type	Outdoor Maintenance Worker		
Analysis	Baseline		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Veterans Cemetery is accessible because the depth of the MEC type 3 items in the baseline analysis is below the surface and the level of intrusion of an outdoor maintenance worker is up to three feet below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 5	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Veterans Cemetery is very likely because the expected MEC density is high for MEC type 1 and medium for MEC types 2 and 3.
		<i>MEC Type</i> 3	The types of MEC expected in the Veterans Cemetery below the surface are hand grenades and 40mm projectiles, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-46. Veterans Cemetery Baseline Analysis for a Recreational User

Proposed Property Reuse	Veterans Cemetery		
Receptor Type	Recreational User		
Analysis	Baseline		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Veterans Cemetery is accessible because the depth of the MEC type 3 items in the baseline analysis is below the surface and the level of intrusion of a recreational user is up to one feet below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 4	The Frequency of Entry is frequent and the Intensity of Contact with Soil is low; therefore, the potential exposure in the Veterans Cemetery is likely because the expected MEC density is high for MEC type 1 and medium for MEC types 2 and 3.
		<i>MEC Type</i> 3	The types of MEC expected in the Veterans Cemetery below the surface are hand grenades and 40mm projectiles, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-47. Veterans Cemetery Baseline Analysis for a Cemetery Worker

Proposed Property Reuse	Veterans Cemetery		
Receptor Type	Cemetery Worker		
Analysis	Baseline		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Veterans Cemetery is accessible because the depth of the MEC type 3 items in the baseline analysis is below the surface and the level of intrusion of a cemetery worker is up to six feet below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 5	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Veterans Cemetery is very likely because the expected MEC density is high for MEC type 1 and medium for MEC types 2 and 3.
		<i>MEC Type</i> 3	The types of MEC expected in the Veterans Cemetery below the surface are hand grenades and 40mm projectiles, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-48. Veterans Cemetery Baseline Analysis for a Cemetery Visitor

Proposed Property Reuse	Veterans Cemetery		
Receptor Type	Cemetery Visitor		
Analysis	Baseline		
MEC Risk Score	C	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Veterans Cemetery is accessible because the depth of the MEC type 1 items in the baseline analysis is on the surface and the level of intrusion of a cemetery visitor is on the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 2	The Frequency of Entry is frequent and the Intensity of Contact with Soil is very low; therefore, the potential exposure in the Veterans Cemetery may be likely because the expected MEC density is low for MEC type 1. There are no MEC Types 2 and 3 on the surface in the Veterans Cemetery.
		<i>MEC Type</i> 1	The types of MEC expected in the Veterans Cemetery on the surface are practice hand grenade fuzes, which could cause an injury to, in extreme cases, could cause a major injury to or kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

C-5.2. After-Action Analysis Results for the Veterans Cemetery

Table C-49. Veterans Cemetery After-Action Analysis for a Trespasser

Proposed Property Reuse	Veterans Cemetery		
Receptor Type	Trespasser		
Analysis	After-Action		
MEC Risk Score	A	<i>Accessibility</i> 1	<ul style="list-style-type: none"> The Veterans Cemetery is not accessible because 100% of the surface to one-foot MEC items found have been removed in the after-action analysis and the level of intrusion of a trespasser is on the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 1	The Frequency of Entry is infrequent and the Intensity of Contact with Soil is medium; therefore, the potential exposure in the Veterans Cemetery is not likely because the 100% of the surface to one-foot MEC items found have been removed in the after-action analysis. There are no MEC Types 2 and 3 on the surface in the Veterans Cemetery.
		<i>MEC Type</i> 1	The types of MEC potentially remaining in the Veterans Cemetery are practice hand grenade fuzes, which could cause an injury to, in extreme cases, could cause a major injury to or kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-50. Veterans Cemetery After-Action Analysis for a Construction Worker

Proposed Property Reuse	Veterans Cemetery		
Receptor Type	Construction Worker		
Analysis	After-Action		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Veterans Cemetery is accessible because the depth of the MEC items in the after-action analysis is greater than one-foot below the surface and the level of intrusion of a construction worker is up to five feet below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 4	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Veterans Cemetery is likely because the potential residual MEC density is high for MEC type 1 and medium for MEC types 2 and 3.
		<i>MEC Type</i> 3	The types of MEC potentially remaining in the Veterans Cemetery below the surface are hand grenades and 40mm projectiles, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-51. Veterans Cemetery After-Action Analysis for an Outdoor Maintenance Worker

Proposed Property Reuse	Veterans Cemetery		
Receptor Type	Outdoor Maintenance Worker		
Analysis	After-Action		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Veterans Cemetery is accessible because the depth of the MEC items in the after-action analysis is greater than one-foot below the surface and the level of intrusion of an outdoor maintenance worker is up to three feet below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 4	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Veterans Cemetery is likely because the potential residual MEC density is medium for MEC type 1 and low for MEC types 2 and 3.
		<i>MEC Type</i> 3	The types of MEC potentially remaining in the Veterans Cemetery below the surface are hand grenades and 40mm projectiles, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-52. Veterans Cemetery After-Action Analysis for a Recreational User

Proposed Property Reuse	Veterans Cemetery		
Receptor Type	Cemetery Worker		
Analysis	After-Action		
MEC Risk Score	A	<i>Accessibility</i> 1	<ul style="list-style-type: none"> The Veterans Cemetery is not accessible because the depth of the MEC items in the after-action analysis is greater than one-foot below the surface and the level of intrusion of a recreational user is on the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 1	The Frequency of Entry is rare and the Intensity of Contact with Soil is very low; therefore, the potential exposure in the Veterans Cemetery is not likely because the 100% of the surface to one-foot MEC items found have been removed in the after-action analysis. There are no MEC Types 2 and 3 on the surface in the Veterans Cemetery.
		<i>MEC Type</i> 1	The types of MEC potentially remaining in the Veterans Cemetery are practice hand grenade fuzes, which could cause an injury to, in extreme cases, could cause a major injury to or kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-53. Veterans Cemetery After-Action Analysis for a Cemetery Worker

Proposed Property Reuse	Veterans Cemetery		
Receptor Type	Cemetery Worker		
Analysis	After-Action		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Veterans Cemetery is accessible because the depth of the MEC items in the after-action analysis is greater than one-foot below the surface and the level of intrusion of a cemetery worker is up to six feet below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 4	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Veterans Cemetery is likely because the potential residual MEC density is high for MEC type 1 and medium for MEC types 2 and 3.
		<i>MEC Type</i> 3	
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-54. Veterans Cemetery After-Action Analysis for a Cemetery Visitor

Proposed Property Reuse	Veterans Cemetery		
Receptor Type	Cemetery Visitor		
Analysis	After-Action		
MEC Risk Score	A	<i>Accessibility</i> 1	<ul style="list-style-type: none"> The Veterans Cemetery is not accessible because 100% of the surface to one-foot MEC items found have been removed in the after-action analysis and the level of intrusion of a cemetery visitor is on the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 1	The Frequency of Entry is frequent and the Intensity of Contact with Soil is very low; therefore, the potential exposure in the Veterans Cemetery is not likely because the 100% of the surface to one-foot MEC items found have been removed in the after-action analysis. There are no MEC Types 2 and 3 on the surface in the Veterans Cemetery.
		<i>MEC Type</i> 1	The types of MEC potentially remaining in the Veterans Cemetery are practice hand grenade fuzes, which could cause an injury to, in extreme cases, could cause a major injury to or kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

C-6. MEC Risk Results for the Parker Flats MRA Development Reserve

C-6.1. *Baseline Analysis Results for the Parker Flats MRA Development Reserve*

Table C-55. Parker Flats MRA Development Reserve Baseline Analysis for a Trespasser

Proposed Property Reuse	Development Reserve		
Receptor Type	Trespasser		
Analysis	Baseline		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Development Reserve is very likely to be accessible because the depth of the MEC items in the baseline analysis is below the surface and the level of intrusion of a trespasser is up to two feet bgs. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 5	The Frequency of Entry is frequent and the Intensity of Contact with Soil is moderate for a trespasser in the baseline analysis; therefore, the potential exposure in the Development Reserve is high because the expected MEC density is high for MEC type 1, low for MEC type 2, and medium for MEC type 3.
		<i>MEC Type</i> 3	The types of MEC expected in the Development Reserve are hand grenade containing white phosphorus, which kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-56. Parker Flats MRA Development Reserve Baseline Analysis for a Construction Worker

Proposed Property Reuse	Development Reserve		
Receptor Type	Construction Worker		
Analysis	Baseline		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Development Reserve is accessible because the depth of the MEC items in the baseline analysis is below the surface and the level of intrusion of a construction worker is up to 5 ft below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 5	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Development Reserve is very likely because the expected MEC density is high for MEC type 1 and medium for MEC types 2 and 3.
		<i>MEC Type</i> 2	The types of MEC expected in the Development Reserve are hand grenade containing white phosphorus, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-57. Parker Flats MRA Development Reserve Baseline Analysis for an Outdoor Maintenance Worker

Proposed Property Reuse	Development Reserve		
Receptor Type	Outdoor Maintenance Worker		
Analysis	Baseline		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Development Reserve is accessible because the depth of the MEC items in the baseline analysis is below the surface and the level of intrusion of an outdoor maintenance worker is up to three feet below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 5	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Development Reserve is very likely because the expected MEC density is high for MEC type 1, low for MEC type 2, and medium for MEC type 3.
		<i>MEC Type</i> 3	The types of MEC expected in the Development Reserve are hand grenade containing white phosphorus, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-58. Parker Flats MRA Development Reserve Baseline Analysis for a Recreational User

Proposed Property Reuse	Development Reserve		
Receptor Type	Recreational User		
Analysis	Baseline		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Development Reserve is accessible because the depth of the MEC items in the baseline analysis is below the surface and the level of intrusion of a recreational user is up to one foot below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 4	The Frequency of Entry is frequent and the Intensity of Contact with Soil is moderate; therefore, the potential exposure in the Development Reserve is likely because the expected MEC density is high for MEC type 1, low for MEC type 2, and medium for MEC type 3.
		<i>MEC Type</i> 3	The types of MEC expected in the Development Reserve are hand grenade containing white phosphorus, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-59. Parker Flats MRA Development Reserve Baseline Analysis for an Indoor Worker

Proposed Property Reuse	Development Reserve		
Receptor Type	Indoor Worker		
Analysis	Baseline		
MEC Risk Score	C	<i>Accessibility</i> 4	<ul style="list-style-type: none"> The Development Reserve is likely to be accessible because the depth of the MEC items in the baseline analysis is below the surface and the level of intrusion of an indoor worker is on the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 3	The Frequency of Entry is frequent and the Intensity of Contact with Soil is very low; therefore, the potential exposure in the Development Reserve may be likely because there are no MEC Type 1, 2, or 3 items on the surface in the Development Reserve.
		<i>MEC Type</i> 3	The types of MEC expected in the Development Reserve are hand grenade containing white phosphorus, which could cause a major injury to, in extreme cases could kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-60. Parker Flats MRA Development Reserve Baseline Analysis for an Adult or Child Resident

Proposed Property Reuse	Development Reserve		
Receptor Type	Adult/Child Resident		
Analysis	Baseline		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Development Reserve is accessible because the depth of the MEC items in the baseline analysis is below the surface and the level of intrusion of an adult or child resident is up to four feet below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 4	The Frequency of Entry is frequent and the Intensity of Contact with Soil is low; therefore, the potential exposure in the Development Reserve is likely because the expected MEC density is high for MEC type 1, low for MEC type 2, and medium for MEC type 3.
		<i>MEC Type</i> 3	The types of MEC expected in the Development Reserve are hand grenade containing white phosphorus, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

C-6.2. After-Action Analysis Results for the Parker Flats MRA Development Reserve

Table C-61. Parker Flats MRA Development Reserve After-Action Analysis for a Trespasser

Proposed Property Reuse	Development Reserve		
Receptor Type	Trespasser		
Analysis	After-Action		
MEC Risk Score	A	<i>Accessibility</i> 1	<ul style="list-style-type: none"> The Development Reserve is not accessible because 100% of the surface to one-foot MEC items found were removed in the after-action analysis and the level of intrusion of a trespasser is on the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 1	The Frequency of Entry is rare and the Intensity of Contact with Soil is very low; therefore, the potential exposure in the Development Reserve is not likely because the 100% of the surface to one-foot MEC items found have been removed in the after-action analysis.
		<i>MEC Type</i> 1	No MEC items are expected in the Development Reserve in the after-action scenario. A MEC Type 1 is chosen for comparison to the baseline scenario. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-62. Parker Flats MRA Development Reserve After-Action Analysis for a Construction Worker

Proposed Property Reuse	Development Reserve		
Receptor Type	Construction Worker		
Analysis	After-Action		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Development Reserve is accessible because the depth of the MEC items in the after-action analysis is greater than one-foot below the surface and the level of intrusion of a construction worker is up to five feet below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 5	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Development Reserve is very likely because the potential residual MEC density is high for MEC types 1 and 3 and medium for MEC Type 2 items.
		<i>MEC Type</i> 3	The types of MEC potentially remaining in the Development Reserve are hand grenades, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-63. Parker Flats MRA Development Reserve After-Action Analysis for an Outdoor Maintenance Worker

Proposed Property Reuse	Development Reserve		
Receptor Type	Outdoor Maintenance Worker		
Analysis	After-Action		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Development Reserve is accessible because the depth of the MEC items in the after-action analysis is greater than one-foot below the surface and the level of intrusion of an outdoor maintenance worker is up to three feet below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 5	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Development Reserve is very likely because the potential residual MEC density is high for MEC types 1 and 3 and medium for MEC Type 2 items.
		<i>MEC Type</i> 3	The types of MEC potentially remaining in the Development Reserve are hand grenades, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-64. Parker Flats MRA Development Reserve After-Action Analysis for a Recreational User

Proposed Property Reuse	Development Reserve		
Receptor Type	Recreational User		
Analysis	After-Action		
MEC Risk Score	A	<i>Accessibility</i> 1	<ul style="list-style-type: none"> The Development Reserve is not accessible because the depth of the potential MEC items in the after-action analysis is greater than one-foot below the surface and the level of intrusion of a recreational user is to a depth of one foot the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 1	The Frequency of Entry is frequent and the Intensity of Contact with Soil is very low; therefore, the potential exposure in the Development Reserve is not likely because the 100% of the surface to one-foot MEC items found have been removed in the after-action analysis.
		<i>MEC Type</i> 3	The types of MEC potentially remaining in the Development Reserve are hand grenades, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-65. Parker Flats MRA Development Reserve After-Action Analysis for an Indoor Worker

Proposed Property Reuse	Development Reserve		
Receptor Type	Indoor Worker		
Analysis	After-Action		
MEC Risk Score	A	<i>Accessibility</i> 1	<ul style="list-style-type: none"> The Development Reserve is not accessible because 100% of the surface to one-foot MEC items found have been removed in the after-action analysis and the level of intrusion of an indoor worker is on the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 1	The Frequency of Entry is frequent and the Intensity of Contact with Soil is very low; therefore, the potential exposure in the Development Reserve may be likely because the 100% of the surface to one-foot MEC items found have been removed in the after-action analysis.
		<i>MEC Type</i> 3	The types of MEC potentially remaining in the Development Reserve are hand grenades, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-66. Parker Flats MRA Development Reserve After-Action Analysis for an Adult or Child Resident

Proposed Property Reuse	Development Reserve		
Receptor Type	Adult/Child Resident		
Analysis	After-Action		
MEC Risk Score	D	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Development Reserve is accessible because the depth of the MEC items in the after-action analysis is greater than one-foot below the surface and the level of intrusion of an adult or child resident is up to four feet below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 5	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Development Reserve is very likely because the potential residual MEC density is high for MEC types 1 and 3 and medium for MEC Type 2 items.
		<i>MEC Type</i> 3	The types of MEC potentially remaining in the Development Reserve are hand grenades, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

C-7. MEC Risk Results for the MRS-13B Development Reserve

C-7.1. Baseline Analysis Results for the MRS-13B Development Reserve

Table C-67. MRS-13B Development Reserve Baseline Analysis for a Trespasser

Proposed Property Reuse	Development Reserve		
Receptor Type	Trespasser		
Analysis	Baseline		
MEC Risk Score	D	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Development Reserve is very likely to be accessible because the depth of the MEC items in the baseline analysis is below the surface and the level of intrusion of a trespasser is up to two feet bgs. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 5	The Frequency of Entry is frequent and the Intensity of Contact with Soil is moderate for a trespasser in the baseline analysis; therefore, the potential exposure in the Development Reserve is likely because the expected MEC density is high for MEC type 1. There are no MEC Types 2 and 3 items in the Development Reserve.
		<i>MEC Type</i> 1	The type of MEC expected in the Development Reserve is a ignition cartridge, which could cause an injury to, in extreme cases could cause a major injury or kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-68. MRS-13B Development Reserve Baseline Analysis for a Construction Worker

Proposed Property Reuse	Development Reserve		
Receptor Type	Construction Worker		
Analysis	Baseline		
MEC Risk Score	D	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Development Reserve is accessible because the depth of the MEC items in the baseline analysis is below the surface and the level of intrusion of a construction worker is up to 5 feet below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 5	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Development Reserve is very likely because the expected MEC density is high for MEC type 1. There are no MEC Types 2 and 3 items in the Development Reserve.
		<i>MEC Type</i> 1	The type of MEC expected in the Development Reserve is a ignition cartridge, which could cause an injury to, in extreme cases could cause a major injury or kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-69. MRS-13B Development Reserve Baseline Analysis for an Outdoor Maintenance Worker

Proposed Property Reuse	Development Reserve		
Receptor Type	Outdoor Maintenance Worker		
Analysis	Baseline		
MEC Risk Score	D	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Development Reserve is accessible because the depth of the MEC items in the baseline analysis is below the surface and the level of intrusion of an outdoor maintenance worker is up to three feet below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 5	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Development Reserve is very likely because the expected MEC density is high for MEC type 1. There are no MEC Types 2 and 3 items in the Development Reserve.
		<i>MEC Type</i> 1	The type of MEC expected in the Development Reserve is a ignition cartridge, which could cause an injury to, in extreme cases could cause a major injury or kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-70. MRS-13B Development Reserve Baseline Analysis for a Recreational User

Proposed Property Reuse	Development Reserve		
Receptor Type	Recreational User		
Analysis	Baseline		
MEC Risk Score	D	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Development Reserve is accessible because the depth of the MEC items in the baseline analysis is below the surface and the level of intrusion of a recreational user is up to one foot below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 5	The Frequency of Entry is frequent and the Intensity of Contact with Soil is moderate; therefore, the potential exposure in the Development Reserve is very likely because the expected MEC density is high for MEC type 1. There are no MEC Types 2 and 3 items in the Development Reserve.
		<i>MEC Type</i> 1	The type of MEC expected in the Development Reserve is a ignition cartridge, which could cause an injury to, in extreme cases could cause a major injury or kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-71. MRS-13B Development Reserve Baseline Analysis for an Indoor Worker

Proposed Property Reuse	Development Reserve		
Receptor Type	Indoor Worker		
Analysis	Baseline		
MEC Risk Score	B	<i>Accessibility</i> 4	<ul style="list-style-type: none"> The Development Reserve is likely to be accessible because the depth of the MEC items in the baseline analysis is below the surface and the level of intrusion of an indoor worker is on the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 2	The Frequency of Entry is frequent and the Intensity of Contact with Soil is very low; therefore, the potential exposure in the Development Reserve not likely because there are no MEC Type 1, 2, or 3 items on the surface in the Development Reserve.
		<i>MEC Type</i> 1	The type of MEC expected in the Development Reserve is a ignition cartridge, which could cause an injury to, in extreme cases could cause a major injury or kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-72. MRS-13B Development Reserve Baseline Analysis for an Adult or Child Resident

Proposed Property Reuse	Development Reserve		
Receptor Type	Adult/Child Resident		
Analysis	Baseline		
MEC Risk Score	D	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Development Reserve is accessible because the depth of the MEC items in the baseline analysis is below the surface and the level of intrusion of an adult or child resident is up to four feet below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 5	The Frequency of Entry is frequent and the Intensity of Contact with Soil is low; therefore, the potential exposure in the Development Reserve is very likely because the expected MEC density is high for MEC type 1. There are no MEC Types 2 and 3 items in the Development Reserve.
		<i>MEC Type</i> 1	The type of MEC expected in the Development Reserve is a ignition cartridge, which could cause an injury to, in extreme cases could cause a major injury or kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

C-7.2. After-Action Analysis Results for the MRS-13B Development Reserve

Table C-73. MRS-13B Development Reserve After-Action Analysis for a Trespasser

Proposed Property Reuse	Development Reserve		
Receptor Type	Trespasser		
Analysis	After-Action		
MEC Risk Score	A	<i>Accessibility</i> 1	<ul style="list-style-type: none"> The Development Reserve is not accessible because 100% of the surface to one-foot MEC items found were removed in the after-action analysis and the level of intrusion of a trespasser is on the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 1	The Frequency of Entry is rare and the Intensity of Contact with Soil is very low; therefore, the potential exposure in the Development Reserve is not likely because the 100% of the surface to one-foot MEC items found have been removed in the after-action analysis. There are no MEC Types 2 and 3 items in the Development Reserve.
		<i>MEC Type</i> 1	No MEC items are expected in the Development Reserve in the after-action scenario. A MEC Type 1 is chosen for comparison to the baseline scenario. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-74. MRS-13B Development Reserve After-Action Analysis for a Construction Worker

Proposed Property Reuse	Development Reserve		
Receptor Type	Construction Worker		
Analysis	After-Action		
MEC Risk Score	D	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Development Reserve is accessible because the depth of the MEC items in the after-action analysis is greater than one-foot below the surface and the level of intrusion of a construction worker is up to five feet below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 5	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Development Reserve is very likely because the potential residual MEC density is high for MEC type 1 items. There are no MEC Types 2 and items in the Development Reserve.
		<i>MEC Type</i> 1	The types of MEC potentially remaining in the Development Reserve are hand grenade fuzes and signals, which could cause an injury to, in extreme cases could cause a major injury or kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-75. MRS-13B Development Reserve After-Action Analysis for an Outdoor Maintenance Worker

Proposed Property Reuse	Development Reserve		
Receptor Type	Outdoor Maintenance Worker		
Analysis	After-Action		
MEC Risk Score	D	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Development Reserve is accessible because the depth of the MEC items in the after-action analysis is greater than one-foot below the surface and the level of intrusion of an outdoor maintenance worker is up to three feet below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 5	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Development Reserve is very likely because the potential residual MEC density is high for MEC type 1 items. There are no MEC Types 2 and 3 items in the Development Reserve.
		<i>MEC Type</i> 1	The types of MEC potentially remaining in the Development Reserve are hand grenade fuzes and signals, which could cause an injury to, in extreme cases could cause a major injury or kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-76. MRS-13B Development Reserve After-Action Analysis for a Recreational User

Proposed Property Reuse	Development Reserve		
Receptor Type	Recreational User		
Analysis	After-Action		
MEC Risk Score	A	<i>Accessibility</i> 1	<ul style="list-style-type: none"> The Development Reserve is not accessible because the depth of the potential MEC items in the after-action analysis is greater than one-foot below the surface and the level of intrusion of a recreational user is to a depth of one foot the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 1	The Frequency of Entry is frequent and the Intensity of Contact with Soil is very low; therefore, the potential exposure in the Development Reserve is not likely because the 100% of the surface to one-foot MEC items found have been removed in the after-action analysis. There are no MEC Types 2 and 3 items in the Development Reserve.
		<i>MEC Type</i> 1	No MEC items are expected in the Development Reserve in the after-action scenario. A MEC Type 1 is chosen for comparison to the baseline scenario. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-77. MRS-13B Development Reserve After-Action Analysis for an Indoor Worker

Proposed Property Reuse	Development Reserve		
Receptor Type	Indoor Worker		
Analysis	After-Action		
MEC Risk Score	A	<i>Accessibility</i> 1	<ul style="list-style-type: none"> The Development Reserve is not accessible because 100% of the surface to one-foot MEC items found have been removed in the after-action analysis and the level of intrusion of an indoor worker is on the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 1	The Frequency of Entry is frequent and the Intensity of Contact with Soil is very low; therefore, the potential exposure in the Development Reserve is not likely because the 100% of the surface to one-foot MEC items found have been removed in the after-action analysis. There are no MEC Types 2 and 3 items in the Development Reserve.
		<i>MEC Type</i> 1	No MEC items are expected in the Development Reserve in the after-action scenario. A MEC Type 1 is chosen for comparison to the baseline scenario. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-78. MRS-13B Development Reserve After-Action Analysis for an Adult or Child Resident

Proposed Property Reuse	Development Reserve		
Receptor Type	Adult/Child Resident		
Analysis	After-Action		
MEC Risk Score	D	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The Development Reserve is accessible because the depth of the MEC items in the after-action analysis is greater than one-foot below the surface and the level of intrusion of an adult or child resident is up to four feet below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 5	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the Development Reserve is very likely because the potential residual MEC density is high for MEC type 1 items. There are no MEC Types 2 and 3 items in the Development Reserve.
		<i>MEC Type</i> 1	The types of MEC potentially remaining in the Development Reserve are hand grenade fuzes and signals, which could cause an injury to, in extreme cases could cause a major injury or kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

C-8. MEC Risk Results for the MST Park and Ride

C-8.1. Baseline Analysis Results for the MST Park and Ride

Table C-79. MST Park and Ride Baseline Analysis for a Trespasser

Proposed Property Reuse	MST Park and Ride		
Receptor Type	Trespasser		
Analysis	Baseline		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The MST Park and Ride is very likely to be accessible because the depth of the MEC items in the baseline analysis is on the surface and the level of intrusion of a trespasser is up to two feet bgs. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 3	The Frequency of Entry is frequent and the Intensity of Contact with Soil is moderate for a trespasser in the baseline analysis; therefore, the potential exposure in the MST Park and Ride may be likely because the expected MEC density is high for MEC Type 1, medium for MEC Type 2, and low for MEC Type 3.
		<i>MEC Type</i> 3	The types of MEC expected in the MST Park and Ride are rifle grenades, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-80. MST Park and Ride Baseline Analysis for a Construction Worker

Proposed Property Reuse	MST Park and Ride		
Receptor Type	Construction Worker		
Analysis	Baseline		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The MST Park and Ride is accessible because the depth of the MEC items in the baseline analysis is on the surface and the level of intrusion of a construction worker is up to 5 feet below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 4	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the MST Park and Ride is likely because the expected MEC density is high for MEC Type 1, medium for MEC Type 2, and low for MEC Type 3.
		<i>MEC Type</i> 3	The types of MEC expected in the MST Park and Ride are rifle grenades, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-81. MST Park and Ride Baseline Analysis for a Recreational User

Proposed Property Reuse	MST Park and Ride		
Receptor Type	Recreational User		
Analysis	Baseline		
MEC Risk Score	D	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The MST Park and Ride is accessible because the depth of the MEC items in the baseline analysis is on the surface and the level of intrusion of a recreational user is up to one foot below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 2	The Frequency of Entry is frequent and the Intensity of Contact with Soil is moderate; therefore, the potential exposure in the MST Park and Ride is not likely because the expected MEC density is high for MEC Type 1 and medium for MEC Types 2 and 3.
		<i>MEC Type</i> 3	The types of MEC expected in the MST Park and Ride are rifle grenades, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-82. MST Park and Ride Baseline Analysis for an Indoor Worker

Proposed Property Reuse	MST Park and Ride		
Receptor Type	Indoor Worker		
Analysis	Baseline		
MEC Risk Score	D	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The MST Park and Ride is accessible because the depth of the MEC items in the baseline analysis is on the surface and the level of intrusion of an indoor worker is on the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 3	The Frequency of Entry is frequent and the Intensity of Contact with Soil is very low; therefore, the potential exposure in the MST Park and Ride may be likely because the expected MEC density is medium for MEC Type 1. There are no MEC Types 2 and 3 items on the surface in the MST Park and Ride.
		<i>MEC Type</i> 1	The types of MEC expected in the MST Park and Ride are hand grenades and flares, which could cause an injury to, in extreme cases could cause a major injury or kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-83. MST Park and Ride Baseline Analysis for a Public Facilities Visitor

Proposed Property Reuse	MST Park and Ride		
Receptor Type	Public Facilities Visitor		
Analysis	Baseline		
MEC Risk Score	D	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The MST Park and Ride is accessible because the depth of the MEC items in the baseline analysis is on the surface and the level of intrusion of public facilities visitor is on the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 3	The Frequency of Entry is frequent and the Intensity of Contact with Soil is low; therefore, the potential exposure in the MST Park and Ride may be likely because the expected MEC density is medium for MEC Type 1. There are no MEC Types 2 and 3 items on the surface in the MST Park and Ride.
		<i>MEC Type</i> 1	The types of MEC expected in the MST Park and Ride are hand grenades and flares, which could cause an injury to, in extreme cases could cause a major injury or kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

C-8.2. After-Action Analysis Results for the MST Park and Ride

Table C-84. MST Park and Ride After-Action Analysis for a Trespasser

Proposed Property Reuse	MST Park and Ride		
Receptor Type	Trespasser		
Analysis	After-Action		
MEC Risk Score	A	<i>Accessibility</i> 1	<ul style="list-style-type: none"> The MST Park and Ride is not accessible because 100% of the surface to one-foot MEC items found were removed in the after-action analysis and the level of intrusion of a trespasser is on the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 1	The Frequency of Entry is rare and the Intensity of Contact with Soil is very low; therefore, the potential exposure in the MST Park and Ride is not likely because the 100% of the surface to one-foot MEC items found have been removed in the after-action analysis.
		<i>MEC Type</i> 1	No MEC items are expected in the MST Park and Ride in the after-action scenario. A MEC Type 1 is chosen for comparison to the baseline scenario. All items identified at Fort Ord are assumed to be fused (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-85. MST Park and Ride After-Action Analysis for a Construction Worker

Proposed Property Reuse	MST Park and Ride		
Receptor Type	Construction Worker		
Analysis	After-Action		
MEC Risk Score	E	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The MST Park and Ride is accessible because the depth of the MEC items in the after-action analysis is greater than one-foot below the surface and the level of intrusion of a construction worker is up to five feet below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 4	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the MST Park and Ride is likely because the potential residual MEC density is medium for MEC type 1 items, low for the MEC Type 2 items, and 100% of the MEC Type 3 items have been removed.
		<i>MEC Type</i> 2	The types of MEC potentially remaining in the Development Reserve are illumination signals and parachute flares, which could cause a major injury to, in extreme cases could kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fused (if not inert) and portable..
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-86. MST Park and Ride After-Action Analysis for a Recreational User

Proposed Property Reuse	MST Park and Ride		
Receptor Type	Recreational User		
Analysis	After-Action		
MEC Risk Score	A	<i>Accessibility</i> 1	<ul style="list-style-type: none"> The MST Park and Ride is not accessible because the depth of the potential MEC items in the after-action analysis is greater than one-foot below the surface and the level of intrusion of a recreational user is to a depth of one foot the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 1	The Frequency of Entry is frequent and the Intensity of Contact with Soil is very low; therefore, the potential exposure in the MST Park and Ride is not likely because the 100% of the surface to one-foot MEC items found have been removed in the after-action analysis.
		<i>MEC Type</i> 3	The types of MEC potentially remaining in the MST Park and Ride are rifle grenades, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-87. MST Park and Ride After-Action Analysis for an Indoor Worker

Proposed Property Reuse	MST Park and Ride		
Receptor Type	Indoor Worker		
Analysis	After-Action		
MEC Risk Score	A	<i>Accessibility</i> 1	<ul style="list-style-type: none"> The MST Park and Ride is not accessible because 100% of the surface to one-foot MEC items found have been removed in the after-action analysis and the level of intrusion of an indoor worker is on the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 1	The Frequency of Entry is frequent and the Intensity of Contact with Soil is very low; therefore, the potential exposure in the MST Park and Ride is not likely because the 100% of the surface to one-foot MEC items found have been removed in the after-action analysis.
		<i>MEC Type</i> 3	The types of MEC potentially remaining in the MST Park and Ride are rifle grenades, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-88. MST Park and Ride After-Action Analysis for a Public Facilities Visitor

Proposed Property Reuse	MST Park and Ride		
Receptor Type	Public Facilities Visitor		
Analysis	After-Action		
MEC Risk Score	D	<i>Accessibility</i> 1	<ul style="list-style-type: none"> The MST Park and Ride is accessible because the depth of the MEC items in the after-action analysis is greater than one-foot below the surface and the level of intrusion of a public facilities visitor is on the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 5	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the MST Park and Ride is very likely because the potential residual MEC density is high for MEC type 1 items. There are no MEC Type 3 items in the MST Park and Ride and 100% of the MEC Type 2 items have been removed.
		<i>MEC Type</i> 3	The types of MEC potentially remaining in the MST Park and Ride are rifle grenades, which could kill an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

C-9. MEC Risk Results for the MST Maintenance Center

C-9.1. *Baseline Analysis Results for the MST Maintenance Center*

Table C-89. MST Maintenance Center Baseline Analysis for a Trespasser

Proposed Property Reuse	MST Maintenance Center		
Receptor Type	Trespasser		
Analysis	Baseline		
MEC Risk Score	D	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The MST Maintenance Center is very likely to be accessible because the depth of the MEC items in the baseline analysis is below the surface and the level of intrusion of a trespasser is up to two feet bgs. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 3	The Frequency of Entry is frequent and the Intensity of Contact with Soil is moderate for a trespasser in the baseline analysis; therefore, the potential exposure in the MST Maintenance Center may be likely because the expected MEC density is low for MEC type 1. There are no MEC Types 2 and 3 items in the MST Maintenance Center.
		<i>MEC Type</i> 1	The types of MEC expected in the MST Maintenance Center are practice grenades, which could cause an injury to, in extreme cases could cause a major injury or kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-90. MST Maintenance Center Baseline Analysis for a Construction Worker

Proposed Property Reuse	MST Maintenance Center		
Receptor Type	Construction Worker		
Analysis	Baseline		
MEC Risk Score	D	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The MST Maintenance Center is accessible because the depth of the MEC items in the baseline analysis is below the surface and the level of intrusion of a construction worker is up to 5 feet below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 3	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the MST Maintenance Center may be likely because the expected MEC density is medium for MEC type 1. There are no MEC Types 2 and 3 items in the MST Maintenance Center.
		<i>MEC Type</i> 1	The types of MEC expected in the MST Maintenance Center are practice grenades, which could cause an injury to, in extreme cases could cause a major injury or kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-91. MST Maintenance Center Baseline Analysis for a Recreational User

Proposed Property Reuse	MST Maintenance Center		
Receptor Type	Recreational User		
Analysis	Baseline		
MEC Risk Score	C	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The MST Maintenance Center is accessible because the depth of the MEC items in the baseline analysis is below the surface and the level of intrusion of a recreational user is up to one foot below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 2	The Frequency of Entry is frequent and the Intensity of Contact with Soil is moderate; therefore, the potential exposure in the MST Maintenance Center is not likely because the expected MEC density is low for MEC type 1. There are no MEC Types 2 and 3 items in the MST Maintenance Center.
		<i>MEC Type</i> 1	The types of MEC expected in the MST Maintenance Center are practice grenades, which could cause an injury to, in extreme cases could cause a major injury or kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-92. MST Maintenance Center Baseline Analysis for an Indoor Worker

Proposed Property Reuse	MST Maintenance Center		
Receptor Type	Indoor Worker		
Analysis	Baseline		
MEC Risk Score	B	<i>Accessibility</i> 4	<ul style="list-style-type: none"> The MST Maintenance Center is likely to be accessible because the depth of the MEC items in the baseline analysis is below the surface and the level of intrusion of an indoor worker is on the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 2	The Frequency of Entry is frequent and the Intensity of Contact with Soil is very low; therefore, the potential exposure in the MST Maintenance Center not likely because the expected MEC density is low for MEC type 1. There are no MEC Types 2 and 3 items in the MST Maintenance Center.
		<i>MEC Type</i> 1	The types of MEC expected in the MST Maintenance Center are practice grenades, which could cause an injury to, in extreme cases could cause a major injury or kill, an individual if functioned by an individual's activities. All items identified at Fort Ord are assumed to be fuzed (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

C-9.2. After-Action Analysis Results for the MST Maintenance Center

Table C-93. MST Maintenance Center After-Action Analysis for a Trespasser

Proposed Property Reuse	MST Maintenance Center		
Receptor Type	Trespasser		
Analysis	After-Action		
MEC Risk Score	A	<i>Accessibility</i> 1	<ul style="list-style-type: none"> The MST Maintenance Center is not accessible because 100% of the surface to one-foot MEC items found were removed in the after-action analysis and the level of intrusion of a trespasser is on the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 1	The Frequency of Entry is rare and the Intensity of Contact with Soil is very low; therefore, the potential exposure in the MST Maintenance Center is not likely because the 100% of the surface to one-foot MEC items found have been removed in the after-action analysis. There are no MEC Types 2 and 3 items in the MST Maintenance Center.
		<i>MEC Type</i> 1	No MEC items are expected in the MST Maintenance Center in the after-action scenario. A MEC Type 1 is chosen for comparison to the baseline scenario. All items identified at Fort Ord are assumed to be fused (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-94. MST Maintenance Center After-Action Analysis for a Construction Worker

Proposed Property Reuse	MST Maintenance Center		
Receptor Type	Construction Worker		
Analysis	After-Action		
MEC Risk Score	B	<i>Accessibility</i> 5	<ul style="list-style-type: none"> The MST Maintenance Center is accessible because the depth of the MEC items in the after-action analysis is greater than one-foot below the surface and the level of intrusion of a construction worker is up to five feet below the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 1	The Frequency of Entry is frequent and the Intensity of Contact with Soil is high; therefore, the potential exposure in the MST Maintenance Center is not likely because the 100% of the surface to one-foot MEC items found have been removed in the after-action analysis and the only items found below one-foot were in pits. There are no MEC Types 2 and 3 items in the MST Maintenance Center.
		<i>MEC Type</i> 1	No MEC items are expected in the MST Maintenance Center in the after-action scenario. A MEC Type 1 is chosen for comparison to the baseline scenario. All items identified at Fort Ord are assumed to be fused (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-95. MST Maintenance Center After-Action Analysis for a Recreational User

Proposed Property Reuse	MST Maintenance Center		
Receptor Type	Recreational User		
Analysis	After-Action		
MEC Risk Score	A	<i>Accessibility</i> 1	<ul style="list-style-type: none"> The MST Maintenance Center is not accessible because the depth of the potential MEC items in the after-action analysis is greater than one-foot below the surface and the level of intrusion of a recreational user is to a depth of one foot the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 1	The Frequency of Entry is frequent and the Intensity of Contact with Soil is very low; therefore, the potential exposure in the MST Maintenance Center may be likely because the 100% of the surface to one-foot MEC items found have been removed in the after-action analysis. There are no MEC Types 2 and 3 items in the MST Maintenance Center.
		<i>MEC Type</i> 1	No MEC items are expected in the MST Maintenance Center in the after-action scenario. A MEC Type 1 is chosen for comparison to the baseline scenario. All items identified at Fort Ord are assumed to be fused (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."

Table C-96. MST Maintenance Center After-Action Analysis for an Indoor Worker

Proposed Property Reuse	MST Maintenance Center		
Receptor Type	Indoor Worker		
Analysis	After-Action		
MEC Risk Score	A	<i>Accessibility</i> 1	<ul style="list-style-type: none"> The MST Maintenance Center is not accessible because 100% of the surface to one-foot MEC items found have been removed in the after-action analysis and the level of intrusion of an indoor worker is on the surface. The area is on gently sloping terrain and is not expected to be significantly effected by erosion.
		<i>Exposure</i> 1	The Frequency of Entry is frequent and the Intensity of Contact with Soil is very low; therefore, the potential exposure in the MST Maintenance Center may be likely because the 100% of the surface to one-foot MEC items found have been removed in the after-action analysis. There are no MEC Types 2 and 3 items in the MST Maintenance Center.
		<i>MEC Type</i> 1	No MEC items are expected in the MST Maintenance Center in the after-action scenario. A MEC Type 1 is chosen for comparison to the baseline scenario. All items identified at Fort Ord are assumed to be fused (if not inert) and portable.
		<i>Data Quality</i>	According to Appendix A of the RI, "Review of the available data indicates that the data can be used for performance of the risk assessment. The uncertainties related to instrument detection efficiencies should be considered when performing the risk assessment."